

72624

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143 RS-6	CHRISTIAN	127	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 753 ROUTE (IL 104)
SECTION 143 RS-6
PROJECT : ACF: 0753 (035)
CHRISTIAN COUNTY
C96-501-05

D-96-535-01

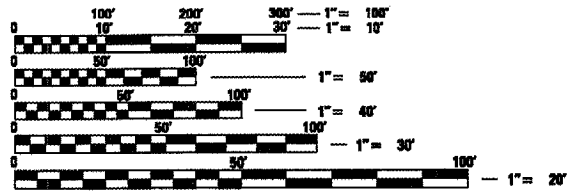
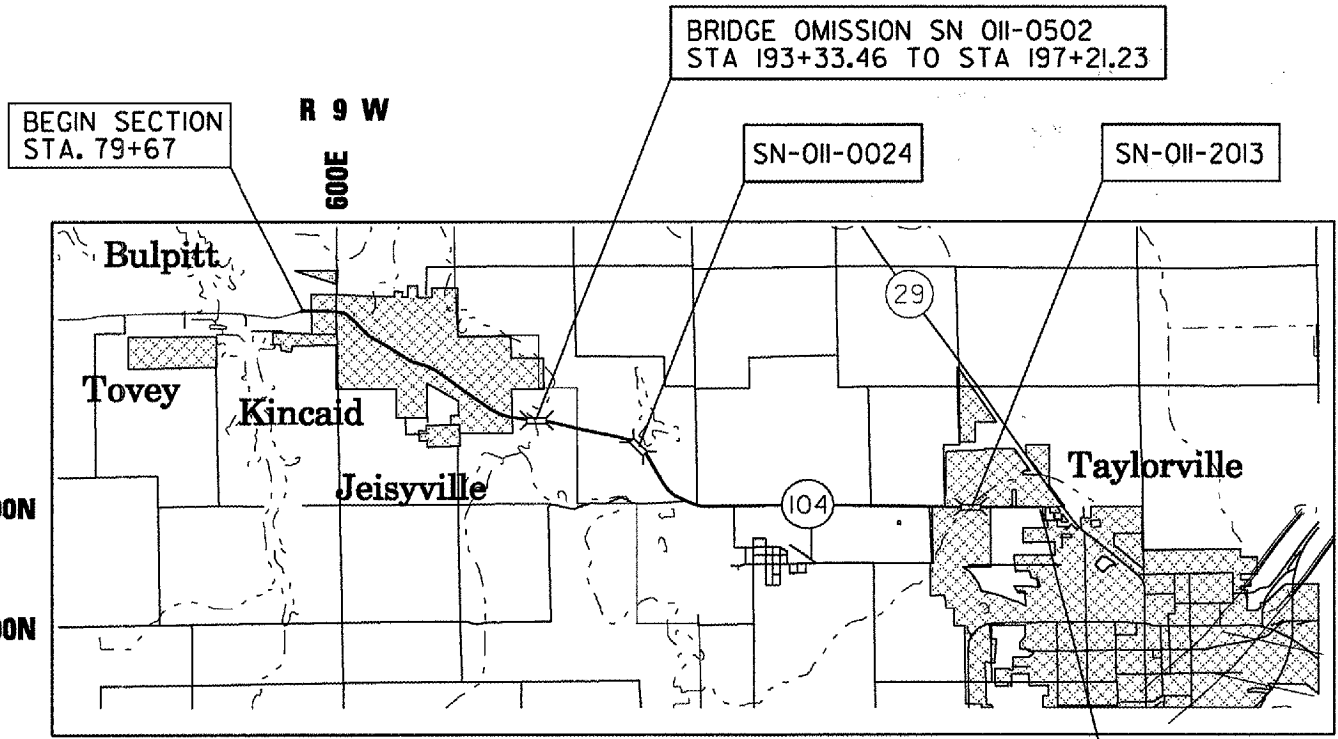


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STANDARDS

000001-05	542311	
001001-01	542601	
001006	602301-01	701011-01
280001-04	602306-01	701201-02
420001-07	602601-01	701301-02
420601-05	604036-01	701306-01
420701-02	606001-03	701311-02
442201-03	630001-07	701326-02
482001-02	635006-02	701336-04
482006-03	635011-01	701501-04
515001-02	701001-01	701901
542301-01	701006-02	704001-04



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
1-811-892-0123

CLASSIFICATION:
MINOR-ARTERIAL

LOCATION MAP

TRAFFIC COUNT

2008	ADT	=	5500
2028	ADT	=	6600

LENGTH OF SECTION

STA 79+67.00 TO STA 193+33.46	=	11,366.46 FT
STA 197+21.23 TO STA 414+44.77	=	21,723.54 FT
TOTAL NET LENGTH OF PROJECT	=	33,090.0 FT (6.27 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Dec 11 2007*

Eric E. Horn
DISTRICT ENGINEER

February 1, 2008
Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 2008
Christine M. Reed
DIRECTOR, DIVISION OF HIGHWAYS

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OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: SAL MARONIA (217)-782-4761
SQUAD LEADER: TODD JOHNSON (217)-524-0472

CONTRACT NO. 72624

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS, (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

PROPERTY OWNER ACCESS REQUIREMENT

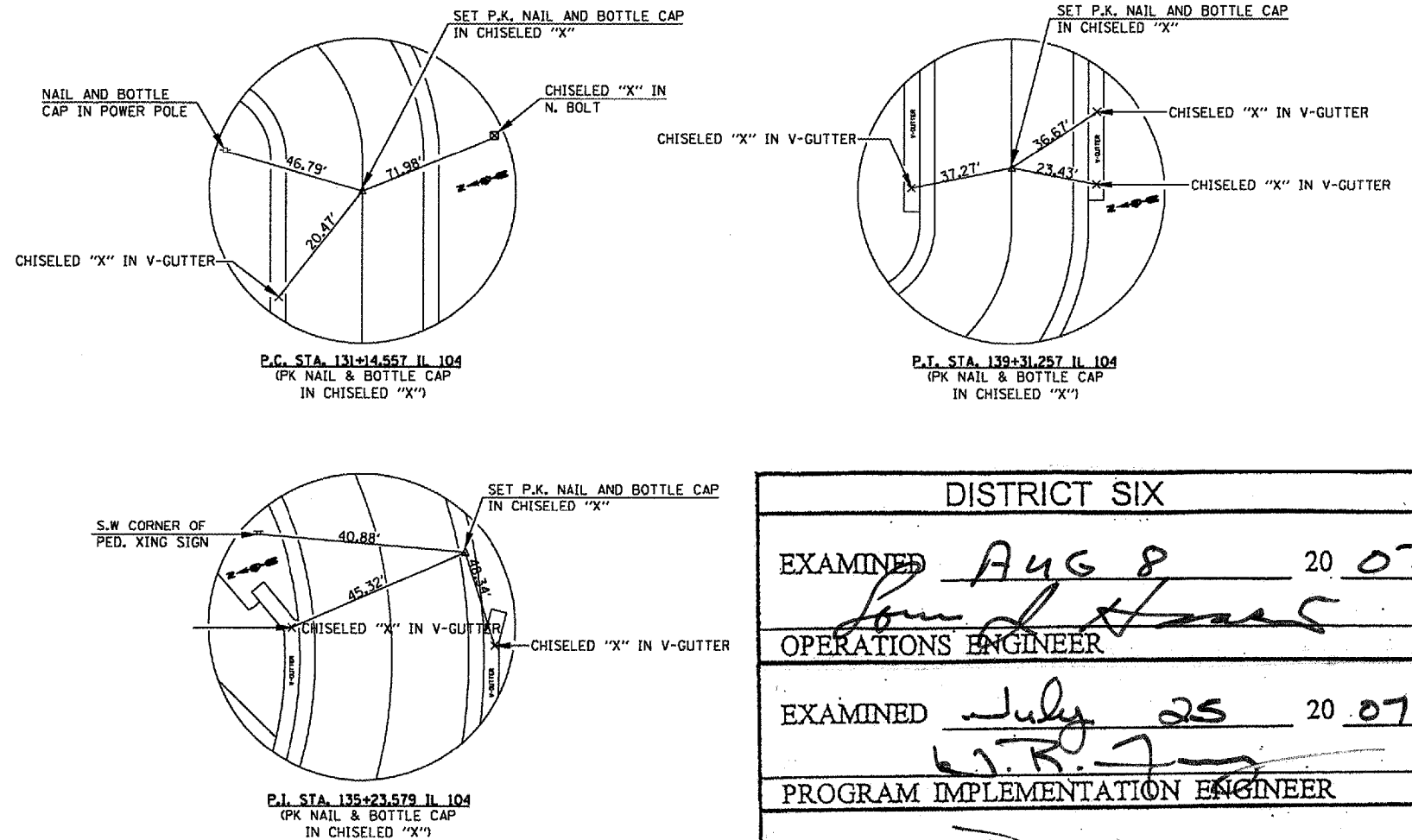
ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

GENERAL NOTES

- 1.) THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDDED AS SOON AS POSSIBLE. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 5.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1/2" UNLESS UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- 6.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 7.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED 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 SEPERATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 9.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 10.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR 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 SEPERATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 11.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 13.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 14.) THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 217-785-5312)
- 15.) THE QUANTITY OF SHORT-TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE MILLED SURFACE, BINDER COURSE, AND SURFACE COURSE.
- 16.) THE QUANTITY OF "MANHOLES TO BE ADJUSTED" SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. MANHOLES PERCEIVED TO BE AT THE PROPER ELEVATION WILL NOT BE ADJUSTED.

MIXTURE REQUIREMENTS

MIXTURE USE(S)	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	LEVELING BINDER (MACHINE METHOD), N50 & TEMPORARY RAMP	HOT MIX ASPHALT BASE COURSE WIDENING 8"	HOT MIX ASPHALT BINDER COURSE	INCIDENTAL HOT MIX ASPHALT SURFACING	HOT MIX ASPHALT SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	2.0% @ N DESIGN = 30
MIXTURE COMPOSITION	IL 9.5 OR 12.5	IL 9.5 ONLY	IL 19.0	IL 19.0	IL 9.5 OR 12.5	BAM
FRICTION AGGREGATE	MIX D	N/A	N/A	N/A	MIX "C"	N/A



COMMITMENTS: NONE

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

HOT MIX ASPHALT MATERIALS (PRIME COAT)	0.00038 TON/SQ. YD. (ON PAVEMENT)
HOT MIX ASPHALT MATERIALS (PRIME COAT)	0.001425 TON/SQ.YD. (ON AGG)
HOT MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE
MULCH	2.0 TON/ACRE

DISTRICT SIX	
EXAMINED <u>Aug 8</u> 20 <u>07</u>	
<i>Tom J. ...</i>	
OPERATIONS ENGINEER	
EXAMINED <u>July 25</u> 20 <u>07</u>	
<i>W.R. ...</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>Dec 11</u> 20 <u>07</u>	
<i>W.P. ...</i>	
PROGRAM DEVELOPMENT ENGINEER	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO	SUMMARY OF QUANTITIES ITEM	UNIT	FAP 753 (IL 104) 143 RS-6		
			TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
			80% FEDERAL 20% STATE	1000-2A ROADWAY	X028-2A S. N. 011-7506
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24	24	
20100500	TREE REMOVAL, ACRES	ACRE	0.1	0.1	
20200100	EARTH EXCAVATION	CU YD	804	804	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	18.8	18.8	
20300100	CHANNEL EXCAVATION	CU YD	48	48	
20400800	FURNISHED EXCAVATION	CU YD	74	74	
20800150	TRENCH BACKFILL	CU YD	215.4	215.4	
21400100	GRADING AND SHAPING DITCHES	FOOT	4689	4689	
25000200	SEEDING, CLASS 2	ACRE	1.5	1.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	131	131	
25000500	PHOSPHORUS FERTILIZER NURTRIEN	POUND	131	131	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	131	131	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.9	2.9	
25100115	MULCH, METHOD 2	ACRE	1.5	1.5	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	145.5	145.5	
28000300	TEMPORARY DITCH CHECKS	EACH	10	10	
28000500	INLET AND PIPE PROTECTION	EACH	6	6	
28100105	STONE RIPRAP, CLASS A3	SQ YD	82		82
28100107	STONE RIPRAP, CLASS A4	SQ YD	624	624	
28200200	FILTER FABRIC	SQ YD	706	624	82
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	279	279	
35800100	PREPARATION OF BASE	SQ YD	353	353	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	83	83	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	43	43	
40600300	AGGREGATE (PRIME COAT)	TON	185	185	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	3976	3976	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	808.4	808.4	
40600990	TEMPORARY RAMP	SQ YD	296	296	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1131.5	1131.5	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	7774.5	7774.5	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	159.9	159.9	
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	107	107	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. _____
HORIZ. _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NO	SUMMARY OF QUANTITIES ITEM	UNIT	FAP 753 (IL 104) 143 RS-6		
			TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
			80% FEDERAL 20% STATE	I000-2A ROADWAY	X028-2A S.N. 011-7506
42001200	PAVEMENT FABRIC	SO YD	104	104	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	51.3	51.3	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	240	240	
44000100	PAVEMENT REMOVAL	SO YD	178	178	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	37,027.0	37027	
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	70990	70990	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	75.3	75.3	
44000600	SIDEWALK REMOVAL	SO FT	240	240	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	15	15	
44004250	PAVED SHOULDER REMOVAL	SO YD	279	279	
44200101	PAVEMENT PATCHING, TYPE IV, 8 INCH	SO YD	97	97	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	600	600	
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SO YD	250	250	
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	250	250	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1603	1603	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	108.2	108.2	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	72	72	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2289	2289	
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1		1
50104400	CONCRETE HEADWALL REMOVAL	EACH	19	19	
50105220	PIPE CULVERT REMOVAL	FOOT	1287	1123	164
50800105	REINFORCEMENT BARS	POUND	740		740
50900605	HANDRAIL REMOVAL	FOOT	40	40	
50901760	PIPE HANDRAIL	FOOT	30	30	
51205200	TEMPORARY SHEET PILING	SO FT	437		437
51500100	NAME PLATES	EACH	1		1
54003000	CONCRETE BOX CULVERT	CU YD	11.2		11.2
54020503	PRECAST CONCRETE BOX CULVERT 5' X3' (M273)	FOOT	324		324
54207783	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM, EQUIVALENT ROUND-SIZE 18"	FOOT	50	50	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	5	5	
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2	
54215970	REINFORCED CONCRETE PIPE ELBOW 15"	EACH	1	1	
5421D015	PIPE CULVERT, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	28	28	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CODE NO	SUMMARY OF QUANTITIES ITEM	UNIT	FAP 753 (IL 104) 143 RS-6		
			TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
			80% FEDERAL 20% STATE	1000-2A ROADWAY	X028-2A S. N. 011-7506
5421D018	PIPE CULVERTS, CALSS D, TYPE 1 18" (TEMPORARY)	FOOT	122	122	
5421D024	PEPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	20	20	
5421D036	PIPE CULVERTS, CLASS D, TYPE 1 36" (TEMPORARY)	FOOT	10	10	
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	2	2	
54248515	CONCRETE COLLAR	EACH	2	2	
542C0223	PIPE CULVERTS, CLASS C, TYPE 1 18"	FOOT	40	40	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	829	829	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	163	163	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	458	458	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	132	132	
550B0050	STORM SEWER, CLASS B, TYPE 1 12"	FOOT	36	36	
550B0070	STORM SEWER, CLASS B, TYPE 1 15"	FOOT	32	32	
55100500	STORM SEWER REMOVAL 12"	FOOT	29	29	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2	
60240500	INLETS, TYPE B, SPECIAL	EACH	7	7	
60255500	MANHOLES TO BE ADJUSTED	EACH	19	19	
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1	
60402210	GRATES, TYPE 8	EACH	7	7	
60500060	REMOVING INLETS	EACH	1	1	
60500065	REMOVING INLETS, SPECIAL	EACH	1	1	
* 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	1987.5	1987.5	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	20	20	
63200310	GUARDRAIL REMOVAL	Foot	2953	2953	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1	1	
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	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	11936.5	11936.5	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT.
DATE: HORIZ.

DRAWN BY
CHECKED BY

*SPECIALTY ITEMS

REV. 1

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CODE NO	SUMMARY OF QUANTITIES ITEM	UNIT	FAP 753 (IL 104) 143 RS-6		
			TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
			80% FEDERAL 20% STATE	I000-2A ROADWAY	X02B-2A S.N. 011-7506
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	88171.5	88171.5	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2605	2605	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	75	75	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	75	75	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	85857	85857	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	414	414	
* 78200420	GUARDRAIL MARKERS, TYPE B	EACH	45	45	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	20	20	
78300100	PAVEMENT MARKING REMOVAL	SO FT	422	422	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	414	414	
X0322118	REMOVE CONCRETE FLARED END SECTION	EACH	1	1	
X0323586	PIPE DRAIN REMOVAL	FOOT	20	20	
X0324118	GRANULAR CULVERT BACKFILL	CU YD	137		137
X0324554	CONCRETE FLAT SLAB TOP	EACH	7	7	
X5012650	CONCRETE HEADWALL REMOVAL SPECIAL	EACH	2	2	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
X0325912	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT, 6"	SO YD	1534	1534	

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

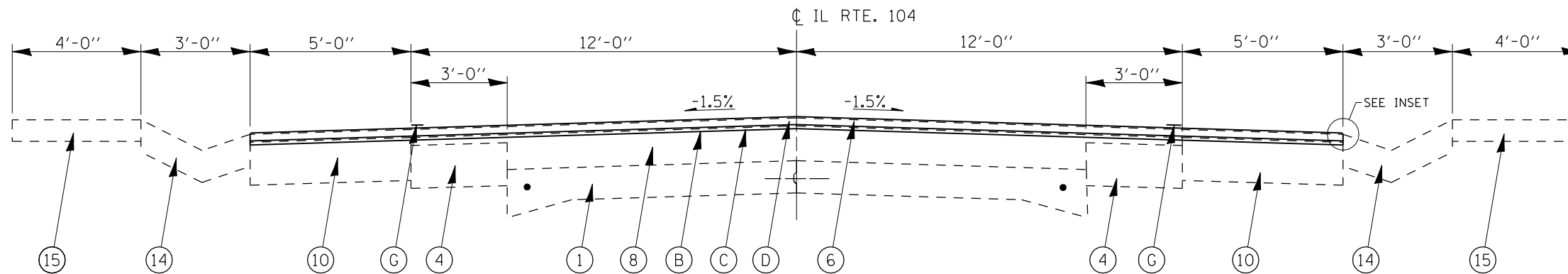
SUMMARY OF QUANTITIES

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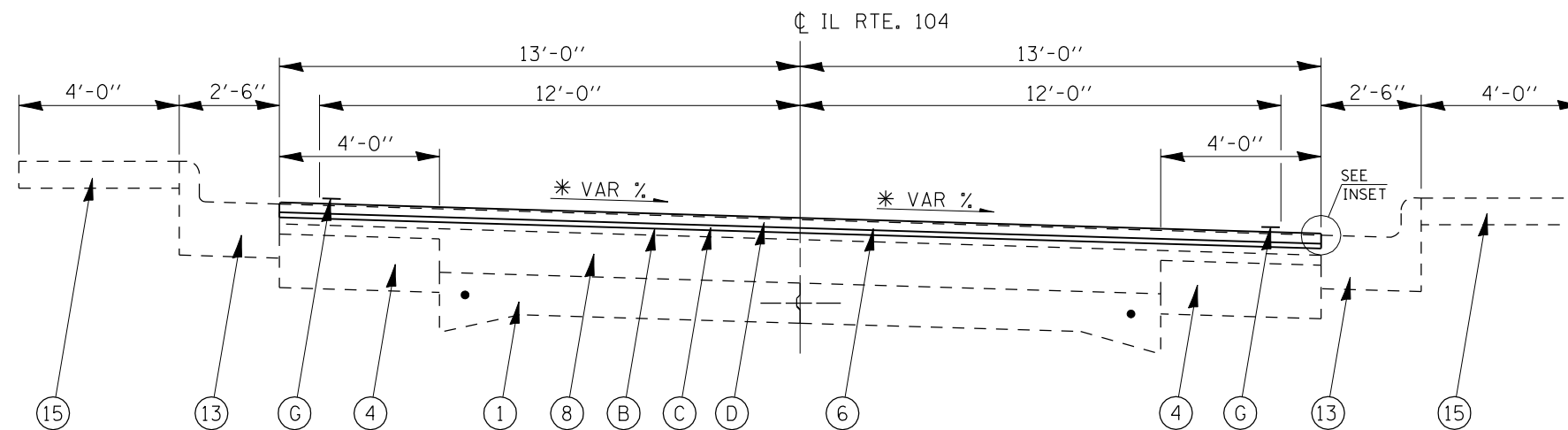
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143 RS-6	CHRISTIAN	127	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TYPICAL #1
STA 79+67 TO STA 94+10



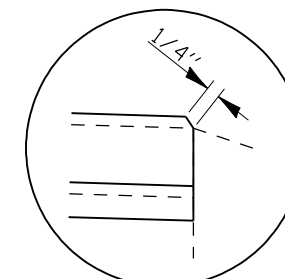
TYPICAL #2
STA 94+10 TO STA 96+50

* - MATCH EXISTING S.E.

- LEGEND**
- ① EXISTING PCC PAV'T (9-6-9)
 - ② EXISTING PCC OR BRICK PAV'T
 - ③ EXISTING PCC PAV'T - 22' WIDTH
 - ④ EXISTING PCC WIDENING, 8"
 - ⑤ EXISTING BIT BASE CSE. WIDENING (9")
 - ⑥ EXISTING BIT SURF. CSE. MIX D, CLASS I, TYPE 2, (1 1/2")
 - ⑦ EXISTING BIT SURFACE W/ WATERPROOFING MEMBRANE SYSTEM (2 1/2")
 - ⑧ EXISTING BIT SURF. CSE. & BINDER (± 6 1/2")
 - ⑨ EXISTING BIT SHOULDER, STD. 2239 - (4 1/2")
 - ⑩ EXISTING BITUMINOUS SHOULDER, 8"
 - ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
 - ⑫ EXISTING AGGREGATE SHOULDER, TYPE A, (6" - 8")
 - ⑬ EXISTING CONC. COMB. C & G, TYPE B - 6.24
 - ⑭ EXISTING P.C.C. GUTTER
 - ⑮ EXISTING P.C.C. SIDEWALK, 4"
-
- (A) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, (V.D.) (1/2" @ ϕ)
 - (B) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (C) PROPOSED LEVELING BINDER (MACHINE METHOD) N50, 3/4"
 - (D) PROPOSED HOT-MIX ASPHALT SURFACE COURSE CLASS "D", N50, 1 1/2"
 - (E) PROPOSED HOT-MIX ASPHALT SHOULDERS
 - (F) PROPOSED AGGREGATE SHOULDERS, TYPE B
 - (G) PROPOSED PAVEMENT MARKING - LINE 5"
 - (H) EARTH EXCAVATION (WIDENING)
 - (I) HOT-MIX ASPHALT SHOULDERS, 6"

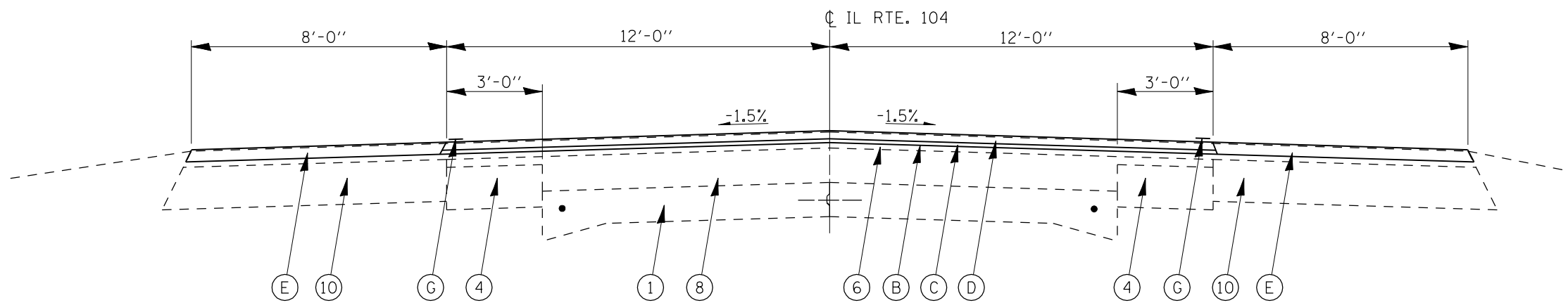
STATION RANGE	EXISTING BIT. CONC. SURF. DEPTH	PROPOSED MILLING DEPTH	TYPICAL CROSS SECTION NO.
79+67 TO 94+10	± 8"	2"	1
94+10 TO 96+50	± 8"	2"	2
96+50 TO 125+39	± 8"	2"	3
125+39 TO 130+37	± 8"	2"	4
130+37 TO 135+00	± 8"	2"	5
135+00 TO 138+64 (LT)	± 8"	2"	3
138+64 TO 142+18 (LT)	± 8"	2"	5
142+18 TO 164+54 (LT) *	± 8"	2"	3
135+00 TO 138+00 (RT)	± 8"	2"	3
138+00 TO 143+33 (RT)	± 8"	2"	5
143+33 TO 164+54 (RT) *	± 8"	2"	3
164+54 TO 193+33.46	± 8"	1/2"	6
BRIDGE OMISSION			
193+33.46 TO 197+21.23			
197+21.23 TO 217+43 (LT)	± 8"	1/2"	6
217+43 TO 225+24 (LT)	± 8"	2"	7
197+21.23 TO 217+72 (RT)	± 8"	1/2"	6
217+72 TO 225+24 (RT)	± 8"	2"	7
225+24 TO 227+49	± 8"	1/2"	8
227+49 TO 230+11	± 8"	1/2"	9
230+11 TO 414+69.77	± 8"	1/2"	10

* NO MILLING FOR STA. 148+00 TO STA. 151+50. SEE STRUCTURE PLANS FOR DETAILS.



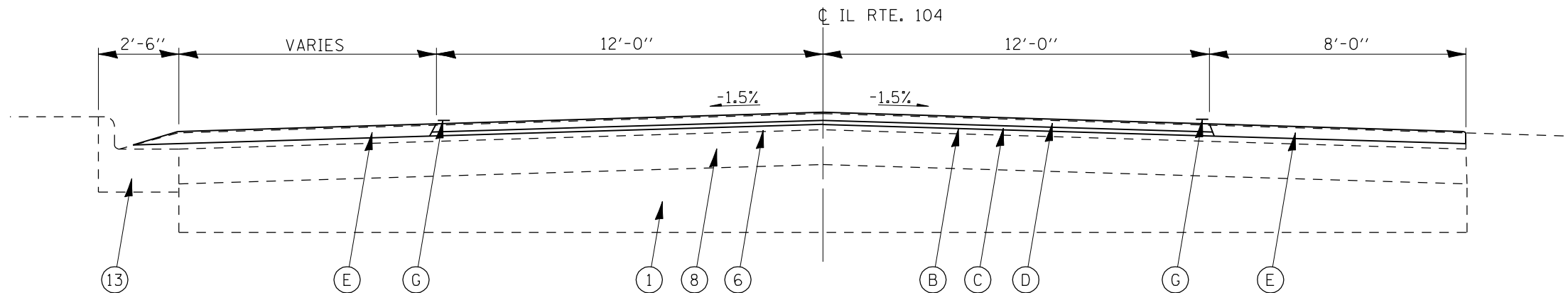
INSET
(TYPICAL RESURFACING EDGE FOR EX CONC. GUTTERS & CONCRETE SHOULDERS ON ALL SHEETS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143 RS-6	CHRISTIAN	127	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



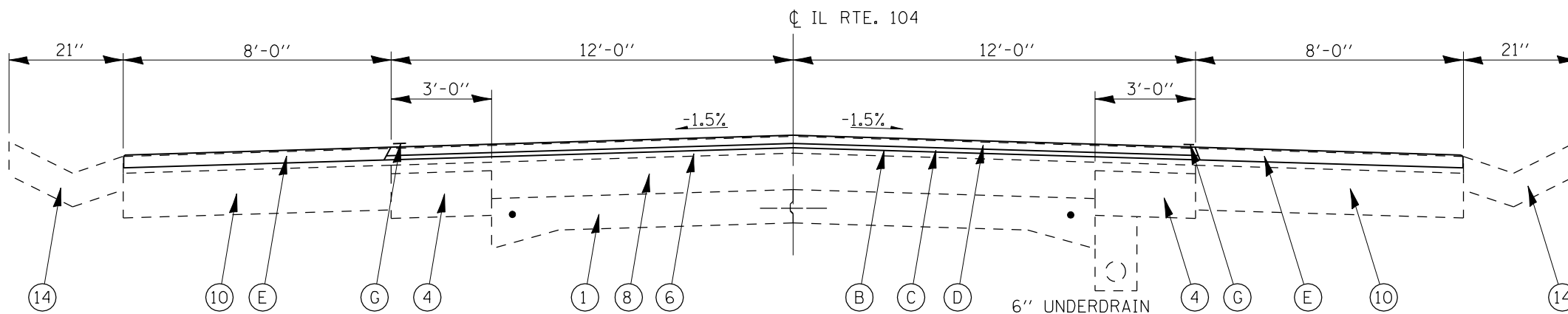
TYPICAL #3

STA 96+50 TO STA 125+39
 STA 135+00 LT TO STA 138+64 LT STA 135+00 RT TO STA 138+00 RT
 STA 142+18 LT TO STA 164+54 LT STA 143+33 RT TO STA 164+54 RT



TYPICAL #4

STA 125+39 TO STA 130+37



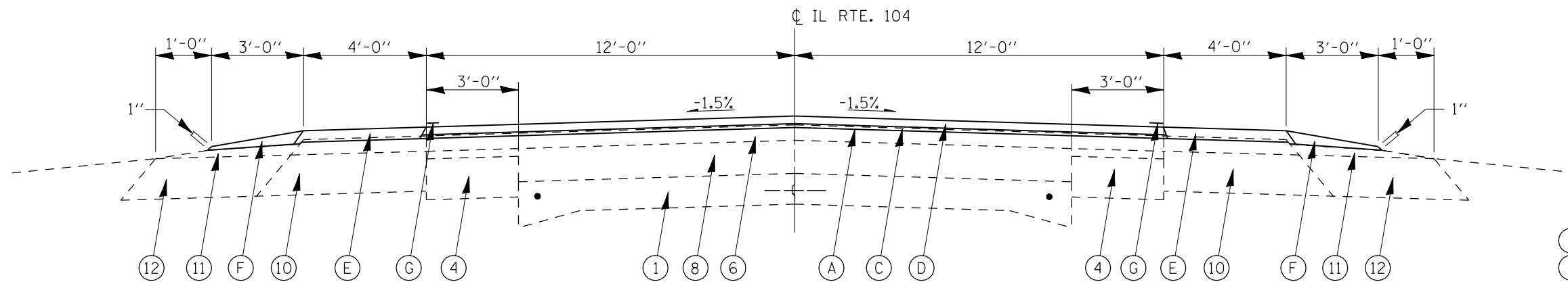
TYPICAL #5

STA 130+37 TO STA 135+00
 STA 138+64 LT TO STA 142+18 LT STA 138+00 RT TO STA 143+33 RT

LEGEND

- ① EXISTING PCC PAV'T (9-6-9)
- ② EXISTING PCC OR BRICK PAV'T
- ③ EXISTING PCC PAV'T - 22' WIDTH
- ④ EXISTING PCC WIDENING, 8"
- ⑤ EXISTING BIT BASE CSE. WIDENING (9")
- ⑥ EXISTING BIT SURF. CSE. MIX D, CLASS I, TYPE 2, (1 1/2")
- ⑦ EXISTING BIT SURFACE W/ WATERPROOFING MEMBRANE SYSTEM (2 1/2")
- ⑧ EXISTING BIT SURF. CSE. & BINDER (± 6 1/2")
- ⑨ EXISTING BIT SHOULDER, STD. 2239 - (4 1/2")
- ⑩ EXISTING BITUMINOUS SHOULDER, 8"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING AGGREGATE SHOULDER, TYPE A, (6" - 8")
- ⑬ EXISTING CONC. COMB. C & G, TYPE B - 6.24
- ⑭ EXISTING P.C.C. GUTTER
- ⑮ EXISTING P.C.C. SIDEWALK, 4"
- Ⓐ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, (V.D.) (1/2" @ CL)
- Ⓑ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- Ⓒ PROPOSED LEVELING BINDER (MACHINE METHOD) N50, 3/4"
- Ⓓ PROPOSED HOT-MIX ASPHALT SURFACE COURSE CLASS "D", N50, 1 1/2"
- Ⓔ PROPOSED HOT-MIX ASPHALT SHOULDERS
- Ⓕ PROPOSED AGGREGATE SHOULDERS, TYPE B
- Ⓖ PROPOSED PAVEMENT MARKING - LINE 5"
- Ⓗ EARTH EXCAVATION (WIDENING)
- Ⓘ HOT-MIX ASPHALT SHOULDERS, 6"

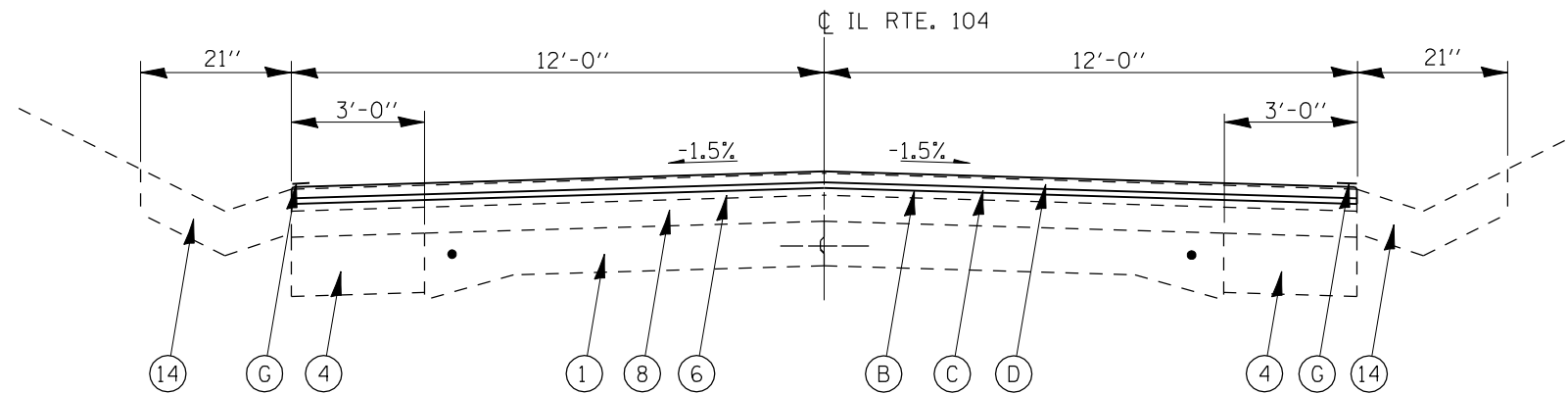
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143 RS-6	CHRISTIAN	127	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* (BRIDGE OMISSION:
SOUTH FORK OF SANGAMON RIVER
STA 193+33.46 TO STA 197+21.23)

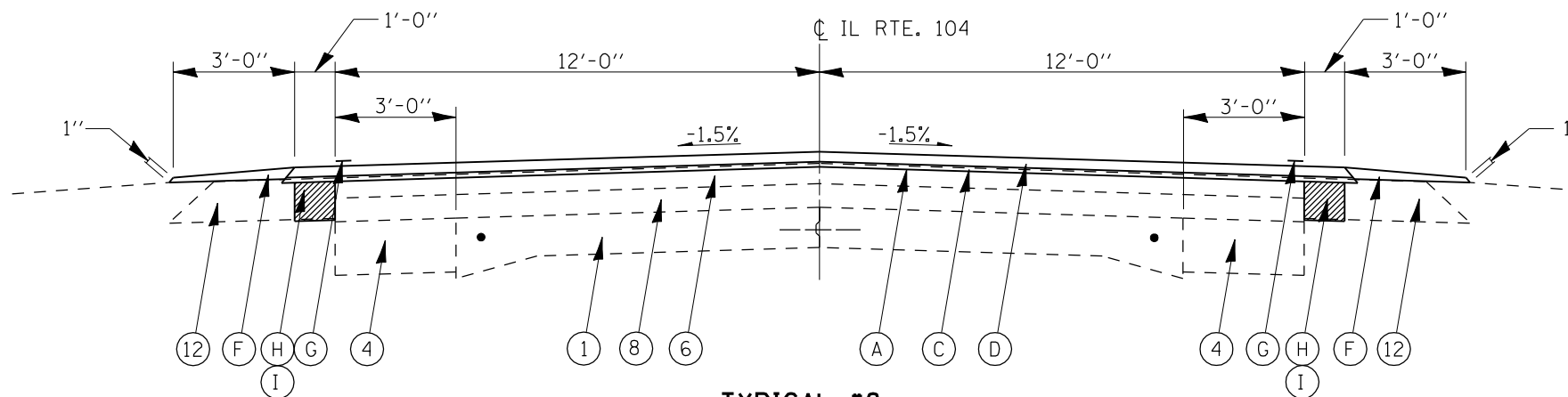
TYPICAL #6

STA 164+54 TO STA 193+33.46 *
STA 197+21.23 LT TO STA 217+43 LT STA 197+21.23 RT TO 217+72 RT



TYPICAL #7

STA 217+43 LT TO STA 225+24 LT
STA 217+72 RT TO STA 225+24 RT



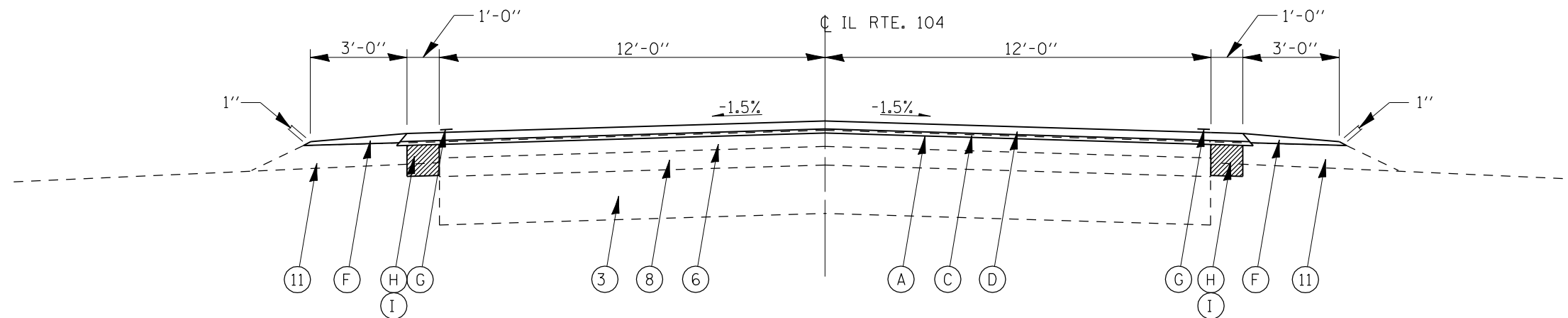
TYPICAL #8

STA 225+24 TO STA 227+49

LEGEND

- ① EXISTING PCC PAV'T (9-6-9)
- ② EXISTING PCC OR BRICK PAV'T
- ③ EXISTING PCC PAV'T - 22' WIDTH
- ④ EXISTING PCC WIDENING, 8"
- ⑤ EXISTING BIT BASE CSE. WIDENING (9")
- ⑥ EXISTING BIT SURF. CSE. MIX D, CLASS I, TYPE 2, (1 1/2")
- ⑦ EXISTING BIT SURFACE W/ WATERPROOFING MEMBRANE SYSTEM (2 1/2")
- ⑧ EXISTING BIT SURF. CSE. & BINDER (± 6 1/2")
- ⑨ EXISTING BIT SHOULDER, STD. 2239 - (4 1/2")
- ⑩ EXISTING BITUMINOUS SHOULDER, 8"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑫ EXISTING AGGREGATE SHOULDER, TYPE A, (6" - 8")
- ⑬ EXISTING CONC. COMB. C & G, TYPE B - 6.24
- ⑭ EXISTING P.C.C. GUTTER
- ⑮ EXISTING P.C.C. SIDEWALK, 4"
- (A) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, (V.D.) (1/2" @ C)
- (B) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (C) PROPOSED LEVELING BINDER (MACHINE METHOD) N50, 3/4"
- (D) PROPOSED HOT-MIX ASPHALT SURFACE COURSE CLASS "D", N50, 1 1/2"
- (E) PROPOSED HOT-MIX ASPHALT SHOULDERS
- (F) PROPOSED AGGREGATE SHOULDERS, TYPE B
- (G) PROPOSED PAVEMENT MARKING - LINE 5"
- (H) EARTH EXCAVATION (WIDENING)
- (I) HOT-MIX ASPHALT SHOULDERS, 6"

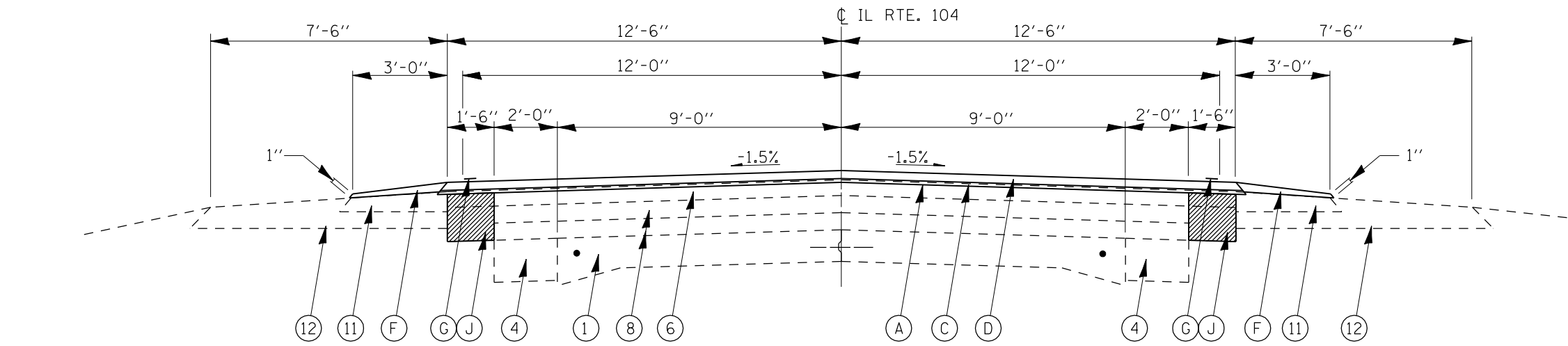
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143 RS-6	CHRISTIAN	127	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



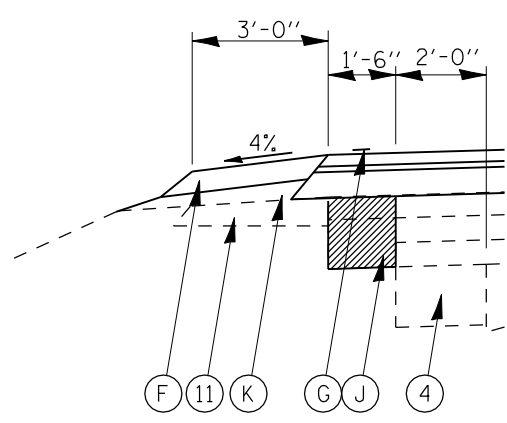
TYPICAL #9
STA 227+49 TO STA 230+11

- LEGEND**
- ① EXISTING PCC PAV'T (9-6-9)
 - ② EXISTING PCC OR BRICK PAV'T
 - ③ EXISTING PCC PAV'T - 22' WIDTH
 - ④ EXISTING PCC WIDENING, 8"
 - ⑤ EXISTING BIT BASE CSE. WIDENING (9")
 - ⑥ EXISTING BIT SURF. CSE. MIX D, CLASS I, TYPE 2, (1 1/2")
 - ⑦ EXISTING BIT SURFACE W/ WATERPROOFING MEMBRANE SYSTEM (2 1/2")
 - ⑧ EXISTING BIT SURF. CSE. & BINDER (± 6 1/2")
 - ⑨ EXISTING BIT SHOULDER, STD. 2239 - (4 1/2")
 - ⑩ EXISTING BITUMINOUS SHOULDER, 8"
 - ⑪ EXISTING AGGREGATE SHOULDER, TYPE B
 - ⑫ EXISTING AGGREGATE SHOULDER, TYPE A, (6" - 8")
 - ⑬ EXISTING CONC. COMB. C & G, TYPE B - 6.24
 - ⑭ EXISTING P.C.C. GUTTER
 - ⑮ EXISTING P.C.C. SIDEWALK, 4"

- Ⓐ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, (V.D.) (1/2" @ C)
- Ⓑ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- Ⓒ PROPOSED LEVELING BINDER (MACHINE METHOD) N50, 3/4"
- Ⓓ PROPOSED HOT-MIX ASPHALT SURFACE COURSE CLASS "D", N50, 1 1/2"
- Ⓔ PROPOSED HOT-MIX ASPHALT SHOULDERS
- Ⓕ PROPOSED AGGREGATE SHOULDERS, TYPE B
- Ⓖ PROPOSED PAVEMENT MARKING - LINE 5"
- Ⓗ EARTH EXCAVATION (WIDENING)
- Ⓘ HOT-MIX ASPHALT SHOULDERS, 6"
- * Ⓙ HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT, 6"
- Ⓚ EARTH EXCAVATION / FURNISHED EXCAVATION



TYPICAL #10
STA 230+11 TO STA 414+44.77



PROFILE CORRECTION SHOULDER DETAIL
STA. 348+75 TO STA. 361+75
MAXIMUM DEPTH = 6"

* NOTE:
LOCATIONS AND AREAS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

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USER NAME = laughlin

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATION		21400100	28000300	28000500
		GRADING AND SHAPING DITCHES	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
		FOOT	EACH	EACH
102+65 TO 104+30	RT	165		
111+67 TO 112+50	LT	83		
146+00 TO 148+00	RT	200		
151+50 TO 163+00	RT	1150		
146+25 TO 148+00	LT	175		
151+50 TO 160+00	LT	850		
305+65 TO 307+65	LT	200		
309+00 TO 311+25	LT	225		
308+75 TO 327+00	RT	1825		
305+65 TO 327+00	LT/RT PIPED SECTIONS	-184		
VARIOUS*	LT/RT		8	
99+97	RT			1
354+54	RT			1
TOTAL		4689	8	2

* LOCATIONS TO BE DETERMINED BY ENGINEER IF WARRANTED

STATION		25000200	25000400	25000400	25000400	25000700	25100115	28000250
		SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	NITROGEN FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING
		ACRE	POUND	POUND	POUND	TON	ACRE	POUND
99+40 TO 100+22	RT	0.04	3	3	3	0.08	0.04	3.80
102+65 TO 104+34	RT	0.08	7	7	7	0.15	0.08	7.70
102+00 TO 104+90	LT	0.13	12	12	12	0.26	0.13	13.00
105+38 TO 107+00	LT	0.04	4	4	4	0.08	0.04	4.10
107+39 TO 108+69	LT	0.03	3	3	3	0.06	0.03	3.10
109+19 TO 111+24	LT	0.05	4	4	4	0.09	0.05	4.70
111+60 TO 112+50	LT	0.02	2	2	2	0.04	0.02	2.10
204+50 TO 209+00	RT	0.38	34	34	34	0.76	0.38	38.00
348+00 TO 362+00	LT	0.19	17	17	17	0.38	0.19	19.00
348+00 TO 362+00	RT	0.20	18	18	18	0.40	0.20	20.00
TOTAL		1.2	104.0	104.0	104.0	2.3	1.2	115.5

STATION		20100210	20200500	28100107	28200200	42300200	44001700	60262700	
		TREE REMOVAL (OVER 15 UNITS DIAMETER)	EARTH EXCAVATION (WIDENING)	STONE RIPRAP, CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP	PORTLAND CEMENT CONCRETE DRIVEWAY, PAVEMENT 6"	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	INLETS TO BE RECONSTRUCTED (REUSE EXISTING TYPE 15 FRAME AND GRATE)	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT, 6"
		UNIT	CY	SY	SY	SY	FOOT	EACH	SY
95+10	RT						15.0	1.0	
103+70	34.5' TO 40' RT			6.0	6.0				
103+70	34.5' TO 40' LT			7.0	7.0				
104+00	36' LT	24.0							
149+00	RT - (ALSO SEE ENTRANCE/MB SCHEDULE)					51.3			
150+00	LT/RT								
204+00 TO 209+50	RT			611.1	611.1				
225+24 TO 230+11	LT/RT (@ 5 3/4" DEPTH AFTER BEING MILLED)		18.8						
230+11 TO 414+44.77	LT/RT (LOCATIONS MARKED BY ENGINEER)								1534.0
TOTAL		24.0	18.8	624.1	624.1	51.3	15.0	1.0	1534.0

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 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATION	LOCATION INFO	44200101	44200144	44200148	44200150
		PAVEMENT PATCHING, TYPE IV, 8"	PAVEMENT PATCHING, TYPE II, 12"	PAVEMENT PATCHING, TYPE III, 12"	PAVEMENT PATCHING, TYPE IV, 12"
		SY	SY	SY	SY
107+20	LT - CE	34.2			
109+00	LT - CE	37.1			
111+50	LT - COMMON WEALTH AVE.	25.2			
79+67 - 414+44.77	VARIOUS - MAINLINE		600	250	250
TOTAL		96.5	600	250	250

STATION	LOCATION INFO	48101200
		AGGREGATE SHOULDERS, TYPE B
		TON
164+54 TO 193+33.46	LT/RT	177.6
197+21.23 TO 217+43	LT	62.4
197+21.23 TO 217+72	RT	63.3
225+24 TO 414+44.77	LT/RT	1167.2
348+75 TO 361+33*	LT/RT	132.9
TOTAL		1603.4

* ADDITIONAL MATERIAL NEEDED FOR A MAXIMUM DEPTH OF 6" IN PROFILE CORRECTION AREA.

STATION	LOCATION INFO	44000157	44000198*
		HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
		SY	SY
MAINLINE			
79+67 TO 148+00		18194.7	
151+50 TO 164+54		3477.3	
217+43 TO 225+24	LT	1041.3	
217+72 TO 225+24	RT	1002.7	
164+54 TO 414+44.77			65480.4
SIDEROADS			
94+35 TO 375.30	LT/RT (MAIN ST.)	375.3	
243+10 TO 391+70	SIDEROAD		313.0
SHOULDERS			
79+67 TO 148+00		10617.7	
151+50 TO 164+54		2318.2	
164+54 TO 217+72			4369.5
TOTAL		37027.2	70162.9

STATION	LOCATION INFO	BACK WIDTH	LENGTH	40600982*	40600990
				HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	TEMPORARY RAMP (OPTION "A", HMA)
				SY	SY
MAINLINE					
79+67 TO 79+97		24'	30' / 5'	80.0	13.3
193+03.46 TO 193+33.46		24'	30' / 5'	80.0	13.3
197+21.23 TO 197+51.23		24'	30' / 5'	80.0	13.3
414+14.77 TO 414+44.77		24'	30' / 5'	80.0	13.3
SIDEROADS					
243+10 LT (KINCAID LAKE RD)		62.9'	5'	34.9	34.9
278+70 RT (TR 900 E)		102.1'	5'	56.7	56.7
281+25 (VILLA RD)		48.6'	5'	27.0	27.0
297+00 (TR 930 E)		23.4'	5'	13.0	13.0
332+45 (TR 960 E)		51.2'	5'	28.4	28.4
358+50 (TR 1025E)		18.2'	5'	10.1	10.1
384+90 (BROADUS RD)		57.3'	5'	31.8	31.8
391+70 (TR 1085 E)		25.9'	5'	14.4	14.4
TOTAL				536.4	269.6

* SEE ENTRANCE AND MAILBOX SCHEDULE FOR ADDITIONAL QUANTITIES.

NOTE: BUTT JOINT AREA NOT INCLUDED IN THIS SCHEDULE.
* SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

STATION	LOCATION INFO	70301000****	70300100	70300230	78100100	78300200	78001120
		WORK-ZONE PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKINGS	TEMPORARY PAVEMENT MARKING LINE 5"	RAISED REFLECTIVE PAVEMENT MARKER 80'/REF	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAINT PAVEMENT MARKING LINE 5"
		SF	FOOT	FOOT	EACH	EACH	FOOT
MAINLINE							
79+67 TO 414+44.77*/***	YELLOW - SKIP DASH	1,086.7	9,822.0	8,185.5			7,269.0
	WHITE - EDGE LINES			65,480.0			66,180.0
215+70 TO 294+90	YELLOW - NO PASSING**			9,504.0			9,504.0
382+55 TO 389+39				1,900.0			1,900.0
79+67 TO 193+33.46***					137	137	
197+21.23 TO 414+44.77					272	272	
SHOULDERS (WHERE SHOULDERS ARE 4' OR WIDER)							
79+67 TO 94+10	LT/RT	38.5	346.3				
125+39 TO 130+37	LT/RT	13.3	119.5				
130+37 TO 181+91.81***	LT/RT	132.8	1,195.2				
207+01.16 TO 217+43	LT	13.9	125.0				
207+01.16 TO 217+72	RT	14.3	128.5				
TOTALS		1,299.4	11,736.6	85,069.5	409	409	84,853.0

* OMIT STRUCTURE STA. 193+33.46 TO STA. 197+21.23
** CONFIRM LENGTHS WITH OPERATIONS BEFORE STRIPING
*** QUANTITIES FOR STA. 148+50 TO STA. 151+50 ARE IN STRUCTURE REPLACEMENT SCHEDULES
**** SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULES

SCALE: VERT. / HORIZ.
DATE: / / DRAWN BY: / CHECKED BY: /

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STATION	EXISTING	20800150*	50104400*	50105220*	542C0223	542D0220	542D0223	54207783	54213660*	54213687	54215970	54248515	
		TRENCH BACKFILL	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS C, TYPE 1, 18"	PIPE CULVERTS, CLASS D, TYPE 1, 15"	PIPE CULVERTS, CLASS D, TYPE 1, 18"	PIPE CULVERTS, CLASS D, TYPE 1, 18"	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM, EORS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	REINFORCED CONCRETE PIPE ELBOW 15"	CONCRETE COLLAR
		CY	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	
99+85	RT												
99+90	30' TO 39' RT			9									
100+00	25' RT +/-												
100+00	24' TO 29' RT												
100+00	25' TO 45' RT			20									
100+00	30' RT												
99+98 TO 100+29	25' RT												
99+98 TO 100+29	30' TO 25' RT												
103+32	26.8' RT										1		
103+65	30' RT +/-			37					1				
103+70	25' TO 35' LT												
103+70	25' TO 35' RT												
103+70	35' LT&RT									2		2	
103+70	25' LT&RT												
107+20	LT	5.7		53		53							
109+00	LT	6.6		59		59							
111+30	LT (COMMON WEALTH AVE.)	7.6		50			50						
146+40	RT	3.6		32		32							
146+80	LT	2.4		17		17							
147+55	LT	1.6		20		20							
147+75	RT	2.4		28		28							
151+90	RT	3.1		27		27							
152+15	LT	1.9		18		18							
153+20	RT	1.7		19		19							
154+20	LT	3.6		26		26							
155+40	LT	2.4		14		14							
155+90	LT	2.1		13		13							
156+40	LT	3.7		33		33							
156+50	RT		1	9		9							
157+25	RT	1.6		18		18							
159+35	RT	12.1		100		100							
160+55	RT	1.4		17		17							
161+40	RT			18		18							
162+05	RT	3.3		24		24							
167+30	LT	AGG. BIT.		20		20							
298+00	RT	AGG. BIT.		40	40.0								
305+50	LT			30			30.0						
312+45	RT	AGG.		98			98.0						
318+75	RT	EARTH		13		13.0							
319+80	RT	BIT.		30		30.0							
320+00	LT	EARTH	2.0	18		18.0							
320+30	RT	BIT.		32		32.0							
321+40	RT	AGG.	2.0	26		26.0							
322+30	RT	AGG.		20		34.0							
338+50	LT	EARTH	2.0	18		18.0							
345+45	LT	EARTH	2.0	17		17.0							
346+10	RT	AGG.		28		28.0							
358+50	RT	EARTH	2.0	25		25.0							
358+50	LT	BIT.	3.1	24			35.0						
371+75	RT	EARTH	2.0	23		23.0							
		TOTAL	104.4	17.0	1122.5	40.0	829.0	163.0	50.0	1.0	2.0	1.0	2.0

* SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

PLOT DATE = Dec-12-2007 10:35:28AM
 FILE NAME = c:\projects\ed53581\hatch.dgn
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. / HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STATION	EXISTING	54247180 GRATING FOR CONCRETE FLARED END SECTION 42" EACH	550B0050 STORM SEWER, CLASS B, TYPE 1 12" FOOT	550B0070 STORM SEWER, CLASS B, TYPE 1 15" FOOT	55100500 STORM SEWER REMOVAL 12" FOOT	60236200 INLETS, TYPE A, TYPE 8 GRATE EACH	60255500 MANHOLES TO BE ADJUSTED EACH	60500060 REMOVING INLETS EACH	60500065 REMOVING INLETS, SPECIAL EACH	X0322118 REMOVE CONCRETE FLARED END SECTION EACH	X0323586 PIPE DRAIN REMOVAL FOOT	X5012650 CONCRETE HEADWALL REMOVAL SPECIAL EACH	
99+85	RT												
99+90	30' TO 39' RT										20		
100+00	25' RT +/-							1					
100+00	24' TO 29' RT		5.1										
100+00	25' TO 45' RT												
100+00	30' RT					1							
99+98 TO 100+29	25' RT				29								
99+98 TO 100+29	30' TO 25' RT		30.5										
103+65	30' RT +/-			32						1			
103+70	25' TO 35' LT												
103+70	25' TO 35' RT												
103+70	35' LT&RT	2											
103+70	25' LT&RT											2	
107+20	LT												
109+00	LT												
111+30	LT (COMMON WEALTH AVE.)												
146+40	RT												
146+80	LT												
147+55	LT												
147+75	RT												
151+90	RT												
152+15	LT												
153+20	RT												
154+20	LT												
155+40	LT												
155+90	LT												
156+40	LT												
156+50	RT												
157+25	RT												
159+35	RT												
160+55	RT												
161+40	RT												
162+05	RT												
79+67 TO 164+54	MAINLINE/SHOULDER (VAR.)						19						
167+30	LT	AGG.											
298+00	RT	BIT.											
305+50	LT												
312+45	RT	AGG.											
318+75	RT	EARTH											
319+80	RT	BIT.											
320+00	LT	EARTH											
320+30	RT	BIT.											
321+40	RT	AGG.											
322+30	RT	AGG.											
338+50	LT	EARTH											
345+45	LT	EARTH											
346+10	RT	AGG.											
354+50	RT					1			1				
358+50	RT	EARTH											
358+50	LT	BIT.											
371+75	RT	EARTH											
	TOTAL		2.0	35.6	32.0	29.0	2.0	19.0	1.0	1.0	1.0	20.0	2.0

PLOT DATE : Dec-12-2007 10:35:28AM
 FILE NAME : c:\projects\ed53581\hntsch.dgn
 PLOT SCALE : 1/8"=1'-0" / IN.
 USER NAME : laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. / HORIZ.
 DATE: / / DRAWN BY: / CHECKED BY: /

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATION	LOCATION	40600200	40600300	48203100	48203021	40603335	40600625	40800050	40603080
		BIT. MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SHOULDERS	HMA SHOULDERS, 6"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	LEVEL BINDER (MACHINE METHOD), N50	INCIDENTAL HOT-MIX ASPHALT SURFACING, N50 1.875" DEPTH	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
MAINLINE		SY	TON	TON	SY	TON	TON	TON	TONS
79+67 TO 414+44.77		34.1*	179.3*			7653.5*	3864.9*		
348+75 TO 349+00									0.9
349+00 TO 349+50									8.9
349+50 TO 350+00									19.1
350+00 TO 350+50									30.8
350+50 TO 351+00									43.4
351+00 TO 351+50									52.3
351+50 TO 352+00									53.7
352+00 TO 352+50									57.4
352+50 TO 353+00									71.9
353+00 TO 353+50									90.1
353+50 TO 354+00									109.2
354+00 TO 354+50									118.1
354+50 TO 355+00									112.0
355+00 TO 355+50									91.9
355+50 TO 356+00									58.8
356+00 TO 356+50									26.1
356+50 TO 356+88									4.3
358+23 TO 358+50									2.0
358+50 TO 359+00									22.4
359+00 TO 359+50									45.7
359+50 TO 360+00									51.8
360+00 TO 360+50									39.7
360+50 TO 361+00									18.7
361+00 TO 361+33									2.5
SIDEROADS									
79+67 TO 164+54	MAIN ST. LT/RT					42.0			
79+67 TO 414+44.77	SIDEROADS AND ENTRANCES	0.3	1.8						
164+54 TO 414+44.77							59.9		
SHOULDER									
79+67 TO 217+72		6.8							
79+67 TO 94+10	LT/RT WIDTH 5' 2" MILL			202.0					
96+50 TO 125+39	LT/RT WIDTH 8' 2" MILL			647.1					
125+39 TO 130+37	LT WIDTH VARIES 2" MILL			38.0					
125+39 TO 130+37	RT WIDTH 8' 2" MILL			55.8					
130+37 TO 135+00	LT/RT WIDTH 8' 2" MILL			103.7					
135+00 TO 164+54	LT/RT WIDTH 8' 2" MILL			583.3*					
164+54 TO 193+33.46	LT/RT WIDTH 4' V.D. MILL			322.5					
197+21.23 TO 217+43	LT WIDTH 4' V.D. MILL			113.2					
197+21.23 TO 217+72	RT WIDTH 4' V.D. MILL			114.8					
225+24 TO 230+11	LT/RT WIDTH 1.0'				108.2				
	TOTAL	41.5	182.7	2180.5	108.2	7695.5	3864.9	59.9	1131.5

* SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

PLOT DATE : Dec-12-2007 10:35:28AM
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 PLOT SCALE : 1/8"=1'-0" / IN.
 USER NAME : laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

63200310
GUARDRAIL
REMOVAL
FOOT

STATION	LOCATION	FOOT
136+48 TO 138+00	LT	152.0
135+50 TO 137+70	RT	220.0
192+75	LT	37.5
212+75 TO 215+52	RT	337.5
215+25 TO 216+77	LT	151.0
238+00 TO 243+11	LT	511.0
238+15 TO 242+32	RT	417.0
308+75 TO 310+64	RT	189.0
309+25 TO 311+27	LT	202.0
401+85 TO 405+55	LT	370.0
400+50 TO 404+16	RT	366.0

TOTAL 2953.0

63000000
STEEL PLATE
BEAM GUARDRAIL,
TYPE A
FOOT

STATION	LOCATION	FOOT
137+25	LT	50.0
136+60	RT	125.0
192+75	+/- LT	37.5
214+00	RT	237.5
216+15	LT	50.0
240+00	LT	412.5
240+00	RT	325.0
309+75	RT	100.0
310+25	LT	100.0
403+50	LT	275.0
402+25	RT	275.0

TOTAL 1987.5

GUARDRAIL MARKERS, TYPE B SHALL BE PLACED ACCORDING TO 635006 AND CONSIDERED INCIDENTAL TO THE CONTRACT.

63100167	63100167
TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	TERMINAL MARKER - DIRECT APPLIED
EACH	EACH

STATION	LOCATION	EACH	EACH
135+50	RT	1	1
136+48	LT	1	1
137+70	RT	1	1
138+00	LT	1	1
212+75	RT	1	1
215+25	LT	1	1
215+52	RT	1	1
216+77	LT	1	1
238+00	LT	1	1
238+15	RT	1	1
243+11	LT	1	1
244+85	RT	1	1
308+75	RT	1	1
309+25	LT	1	1
310+64	RT	1	1
311+27	LT	1	1
400+50	RT	1	1
401+85	LT	1	1
404+16	RT	1	1
405+55	LT	1	1

TOTAL 20 20

PLOT DATE = Dec-12-2007 10:35:29AM
FILE NAME = c:\projects\ed53581\h1tsch.dgn
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USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

20200100 EARTH EXCAVATION*
20400800 FURNISHED EXCAVATION*

LI								RI									
STATION	LENGTH	CUT @ STATION	AVG END AREA	EARTH EXCAVATION	ADJUSTED	FILL @ STATION	FILL REQUIRED	BALANCE	STATION	LENGTH	CUT @ STATION	AVG END AREA	EARTH EXCAVATION	ADJUSTED	FILL @ STATION	FILL REQUIRED	BALANCE
	FT	SF	SY	CY	25% SHRINKAGE	SF	CY	WASTE (+) SHORTAGE (-)		FT	SF	SY	CY	25% SHRINKAGE	SF	CY	WASTE (+) SHORTAGE (-)
348+00		0				0			348+00		0				0.0		
348+50	50	0	0.000	0.00	0.00	1.4	1.30	-1.30	348+50	50	0	0.000	0.00	0.00	0.6	0.56	-0.56
349+00	50	0	0.000	0.00	0.00	1.8	2.96	-2.96	349+00	50	0	0.000	0.00	0.00	1.4	1.85	-1.85
349+50	50	0	0.000	0.00	0.00	2.6	4.07	-4.07	349+50	50	0	0.000	0.00	0.00	2.2	3.33	-3.33
350+00	50	0	0.000	0.00	0.00	3.5	5.65	-5.65	350+00	50	0	0.000	0.00	0.00	3	4.81	-4.81
350+50	50	0	0.000	0.00	0.00	4.8	7.69	-7.69	350+50	50	0	0.000	0.00	0.00	4.1	6.57	-6.57
351+00	50	0	0.000	0.00	0.00	4.5	8.61	-8.61	351+00	50	0	0.000	0.00	0.00	5.7	9.07	-9.07
351+50	50	0	0.000	0.00	0.00	5.5	9.26	-9.26	351+50	50	0	0.000	0.00	0.00	6.2	11.02	-11.02
352+00	50	0	0.000	0.00	0.00	6.5	11.11	-11.11	352+00	50	0	0.000	0.00	0.00	6.6	11.85	-11.85
352+50	50	0	0.000	0.00	0.00	6.9	12.41	-12.41	352+50	50	0	0.000	0.00	0.00	7.5	13.06	-13.06
353+00	50	0	0.000	0.00	0.00	7.5	13.33	-13.33	353+00	50	0	0.000	0.00	0.00	8.6	14.91	-14.91
353+50	50	0	0.000	0.00	0.00	9.7	15.93	-15.93	353+50	50	0	0.000	0.00	0.00	13.3	20.28	-20.28
354+00	50	2	0.111	1.85	1.39	18.6	26.20	-26.20	354+00	50	0.7	0.000	0.00	0.00	19.9	30.74	-30.74
354+50	50	1.3	0.072	1.20	0.90	19.5	35.28	-33.89	354+50	50	8.3	0.039	0.65	0.49	30.7	46.85	-46.37
355+00	50	0.5	0.028	0.46	0.35	15.9	32.78	-31.88	355+00	50	0.8	0.461	7.69	5.76	17.3	44.44	-38.68
355+50	50	0	0.000	0.00	0.00	8.3	22.41	-22.06	355+50	50	0	0.044	0.74	0.56	7.2	22.69	-22.13
356+00	50	0	0.000	0.00	0.00	3.0	10.46	-10.46	356+00	50	0	0.000	0.00	0.00	2.3	8.80	-8.80
356+50	50	0	0.000	0.00	0.00	1.1	3.80	-3.80	356+50	50	0	0.000	0.00	0.00	0.7	2.78	-2.78
357+00	50	0	0.000	0.00	0.00	0.1	1.11	-1.11	357+00	50	0	0.000	0.00	0.00	0.1	0.74	-0.74
357+50	50	0	0.000	0.00	0.00	0.0	0.09	-0.09	357+50	50	0	0.000	0.00	0.00	0.0	0.09	-0.09
358+00	38	0	0.000	0.00	0.00	0.0	0.00	0.00	358+00	50	0	0.000	0.00	0.00	0.0	0.00	0.00
358+38									358+50	50	0	0.000	0.00	0.00	1.3	1.20	-1.20
358+69	31								359+00	50	0	0.000	0.00	0.00	4.2	5.09	-5.09
359+00	50	0	0.000	0.00	0.00	4.3	0.08	-0.08	359+50	50	0	0.000	0.00	0.00	4.7	8.24	-8.24
359+50	50	0	0.000	0.00	0.00	5.5	0.10	-0.10	360+00	50	3.4	0.189	3.15	2.36	5.0	8.98	-8.98
360+00	50	0	0.000	0.00	0.00	7.1	0.13	-0.13	360+50	50	8.4	0.467	7.78	5.83	2.7	7.13	-4.77
360+50	50	0	0.000	0.00	0.00	3.6	0.07	-0.07	361+00	50	0	0.000	0.00	0.00	0.7	3.15	2.69
361+00	50	0	0.000	0.00	0.00	1.6	0.03	-0.03	361+50	50	0	0.000	0.00	0.00	0.0	0.65	-0.65
361+50	50	0	0.000	0.00	0.00	1.0	0.02	-0.02	362+00	50	0	0.000	0.00	0.00	0.0	0.00	0.00
362+00																	
TOTAL				3.5			227.3	-224.7	TOTAL				20.0			288.9	-273.9

*SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

*SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

PLOT DATE = Dec-12-2007 10:35:29AM
FILE NAME = c:\projects\72624\143rs-6\hntschn.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	18
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

20200100 EARTH EXCAVATION*
20400800 FURNISHED EXCAVATION*

LI									RI								
STATION	LENGTH	CUT @ STATION	AVG END AREA	EARTH EXCAVATION	ADJUSTED	FILL @ STATION	FILL REQUIRED	BALANCE	STATION	LENGTH	CUT @ STATION	AVG END AREA	EARTH EXCAVATION	ADJUSTED	FILL @ STATION	FILL REQUIRED	BALANCE
	FT	SF	SY	CY	25% SHRINKAGE	SF	CY	WASTE (+) SHORTAGE (-)		FT	SF	SY	CY	25% SHRINKAGE	SF	CY	WASTE (+) SHORTAGE (-)
102+00		0				0			99+40		0				0		
	100		0.439	14.64	10.98	0.8589	1.59	9.39	100+00	60	12.0664	0.670	13.41	10.06		0	10.06
103+00		7.9042								22		0.670	4.92	3.69		0	3.69
	72.7		0.439	10.64	7.98	3.0175	5.22	2.76	100+22		0						
103+73		0							-								
	27.3		0.871	7.93	5.95	2.6984	2.89	3.06									
104+00		15.6797							204+50	50	18.8102				0		
	85		1.742	49.36	37.02	2.6984	8.49	28.53				2.917	48.61	36.46		0.00	36.46
104+85		15.6797							205+00	50	33.6935			43.52		0.00	43.52
	ENTRANCE											3.481	58.02	47.28		0.00	47.28
105+45		4.6091							205+50	50	28.9711			47.28		0.00	47.28
	55		0.512	9.39	7.04		0.00	7.04	206+00	50	39.1132			50.15		1.01	49.14
106+00		4.6091										4.012	66.87	50.15		1.01	49.14
	90		0.512	15.36	11.52		0.00	11.52	206+50	50	33.1041			48.82	3.1	3.88	44.94
106+90		4.6091							207+00	50	37.1922			52.18	0.8	3.62	48.56
	ENTRANCE											3.905	65.09	48.61		0.75	47.87
107+42		2.9938							207+50	50	37.948			48.61		0.00	50.05
	58		0.333	6.43	4.82		0.00	4.82	208+00	50	32.0541			50.05		0.00	50.05
108+00		2.9938										4.004	66.73	43.73		0.00	43.73
	65		0.333	7.21	5.41		0.00	5.41	208+50	50	40.016			43.73		0.00	43.73
108+65		2.9938							209+00	7	22.9486			5.09		0.00	5.09
	ENTRANCE											2.907	6.78	5.09		0.00	5.09
109+28		3.077							209+07		29.3749						
	72		0.342	8.21	6.15		0.00	6.15									
110+00		3.077															
	50		0.386	6.44	4.83		0.00	4.83									
110+50		3.8757															
	50		0.389	6.48	4.86		0.00	4.86									
111+00		3.1183															
	TOTAL			142.1			18.2	88.4		TOTAL			586.2			9.3	430.4

*SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

*SEE STRUCTURE SCHEDULES FOR ADDITIONAL QUANTITIES.

PLOT DATE = Dec-12-2007 10:35:30AM
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USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	19

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

ENTRANCE AND MAILBOX TURNOUT SCHEDULE

LOCATION		EXISTING						PAY LENGTH (FT)	AREA TO BE PAVED (SQ YD)	PAVED AREA (SQ YD)	ENTRANCE AREA AGG (SQ YD)	ENTRANCE AGG AVG (YD)	AGG SURF CRSE, TYPE B (TON)	INCIDENTAL HMA SURFACING (TON)	HMA SURF. REMOVAL (BUTT JOINT) (SQ YD)	BIT MATLS (PRIME COAT) TON	AGG (PRIME COAT) TON	PREP OF BASE SQ YD	DRIVEWAY PAVEMENT REMOVAL SQ YD
STATION	OFFSET	TYPE OF ENTRANCE	EXISTING SURFACE TYPE	EXISTING BIT SHLDR W (FT)	CULVERT REPLACEMENT (Y)	ENTRANCE WIDTH (FT)	LENGTH (FT)												
146+50.00	RT	PE	AGG	8	Y	27	21	2.8	7.3	3.5		1.4							
147+80.00	RT	PE	AGG	8	Y	22	16	2.8	5.7	3.5		1.1							
148+40.00	RT	PE	AGG	8	Y	23	13												
149+00.00	RT	PE	CONC	8	Y	38	30											51.3	
149+50.00	RT	PE	AGG	8	Y	34	31												
151+50.00	RT	CE	AGG	8	Y	34	31												
153+10.00	RT	PE	AGG	8	Y	16	12	2.8	4.5	3.5		0.9							
156+55.00	RT	SW	EARTH	8	Y														
157+20.00	RT	PE	AGG	8	Y	17	10	2.8	3.9	3.5		0.8							
159+50.00	RT	PE	AGG	8	Y	94	94	2.8	29.6	3.5		5.9							
160+50.00	RT	PE	AGG	8	Y	16	11	2.8	4.2	3.5		0.8							
161+30.00	RT	PE	AGG	8	Y	21	18	2.8	6.3	3.5		1.3							
162+00.00	RT	PE	EARTH	8	Y	25	20	2.8	7.0	3.5		1.4							
167+00.00	RT	CE	BIT	4		60	34	6	26.7	1.5			2.2	26.7	0.0101	0.05			
209+80.00	RT	CE	AGG	4		47	35	6	27.3	8.0			12.2		0.0104	0.05	27.3		
312+50.00	RT	PE/MB	AGG		Y	75	42	8	7	38.1	3.5				0.0145	0.08	38.1		
318+85.00	RT	FE	EARTH		Y														
319+80.00	RT	PE	BIT		Y	35	15	14	35.0	1.5/3.5			4.5	35.0	0.0133	0.07		8.1	
320+30.00	RT	PE/MB	BIT		Y	64	16	14	54.7	1.5/3.5			6.3	54.7	0.0208	0.11		8.7	
321+40.00	RT	PE	BIT		Y	31	9	14	28.0	1.5/3.5			3.7	28.0	0.0106	0.06	28.0	6.8	
322+30.00	RT	PE/MB	AGG		Y	56	17	14	45.0	3.5			8.8		0.0171	0.09	45.0		
333+20.00	RT	PE	AGG			34	21	14	37.0	3.5			7.3		0.0141	0.07	37.0		
346+10.00	RT	FE	EARTH			26	26												
358+50.00	RT	FE	EARTH		Y	22	22												
371+75.00	RT	FE	AGG		Y	26	21												
404+80.00	RT	FE	EARTH			27	21												
386+10.00	LT	PE	BIT			33	19	8	8	24.0	1.5	14.8	0.021	0.6	2.0	24.0	0.0091	0.05	
385+30.00	LT	PE	BIT			40	26	8	8	30.2	1.5	20.2	0.021	0.9	2.5	30.2	0.0115	0.06	
371+75.00	LT	FE	EARTH		Y	26	21												
345+43.00	LT	FE	EARTH		Y	13	13												
338+72.00	LT	FE	EARTH		Y	18	18												
332+00.00	LT	PE	BIT																
331+75.00	LT	PE	CONC			91	74	8	8	72.9					72.9				
320+00.00	LT	FE	EARTH		Y	18	18												
305+50.00	LT	FE	AGG		Y	34	24												
297+25.00	LT	FE	EARTH			19	18												
236+40.00	LT	PE	AGG			46	26	8	8	30.2	3.5		5.9		0.0115	0.06	30.2		
231+00.00	LT	PE	AGG			79	63	8	8	62.8	3.5		12.3		0.0239	0.13	62.8		
227+40.00	LT	CE	AGG			40	23	10	9	30.6	8.0		13.7		0.0116	0.06	30.6		
217+85.00	LT	PE	BIT			37	27	8	7	26.4	1.5		2.2		0.0100	0.05	26.4		
204+65.00	LT	PE	AGG			25	16	8	5	10.3	8.0		4.6		0.0039	0.02	10.3		
185+45.00	LT	FE	AGG			61	40												
167+30.00	LT	PE	AGG	4	Y	27	20	8	3	7.7	3.5		1.5	1.5		0.0029	0.02	7.7	
166+50.00	LT	PE	AGG	4		29	23	8	3	8.7	3.5			1.7		0.0033	0.02	8.7	
156+30.00	LT	PE	BIT		Y	28	25	2.8	8.6	3.5		1.7							
155+95.00	LT	PE	AGG		Y	17	13	2.8	4.9	3.5		1.0							
155+30.00	LT	PE	AGG		Y	18	16	2.8	5.8	3.5		1.2							
154+10.00	LT	PE	AGG	8	Y	30	20	2.8	7.1	3.5		1.4							
152+10.00	LT	PE	AGG	8	Y	20	18	2.8	6.5	3.5		1.3							
151+34.00	LT	PE	AGG	8	Y	35	26												
149+20.00	LT	PE	AGG	8	Y	15	20												
148+60.00	LT	CE	AGG	8	Y	19	13												
147+50.00	LT	CE	AGG	8	Y	15	12	2.8	4.6	3.5		0.9							
146+80.00	LT	PE	EARTH	8	Y	18	18	2.8	6.5	3.5		1.3							
SUB TOTALS:												30	100	272	1	2	353	75	

QUANTITIES IN STRUCTURE SCHEDULES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. HORIZ.
DATE: DRAWN BY: CHECKED BY:

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USER NAME = laughlin-1

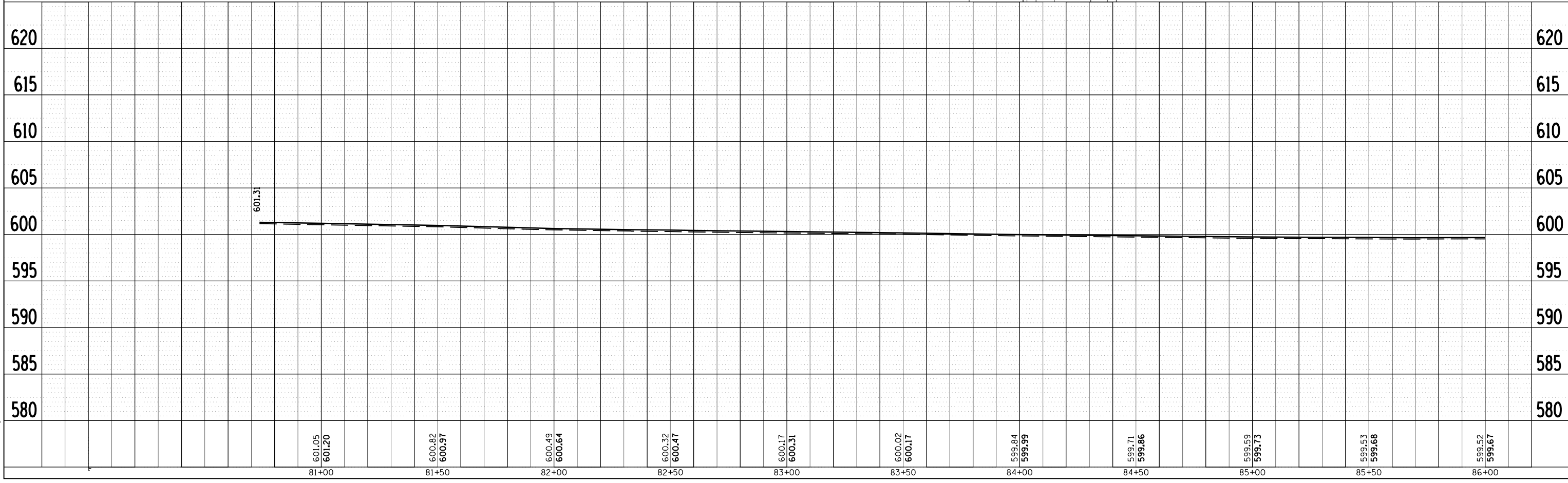
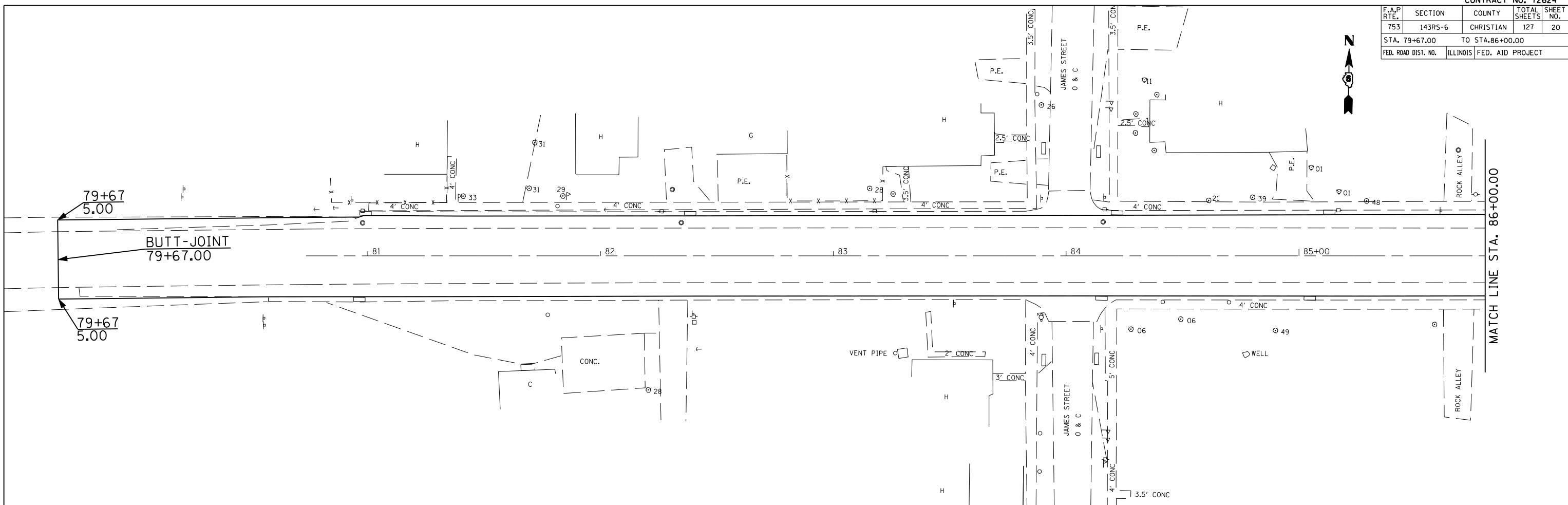
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	20
STA. 79+67.00		TO STA. 86+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN	SURVEYED	BY	DATE
NOTED			
NOTE BOOK NO.			
CADD FILE NAME			

PROFILE	SURVEYED	BY	DATE
NOTED			
NOTE BOOK NO.			
STRUCTURE NOTATIONS CHRD			

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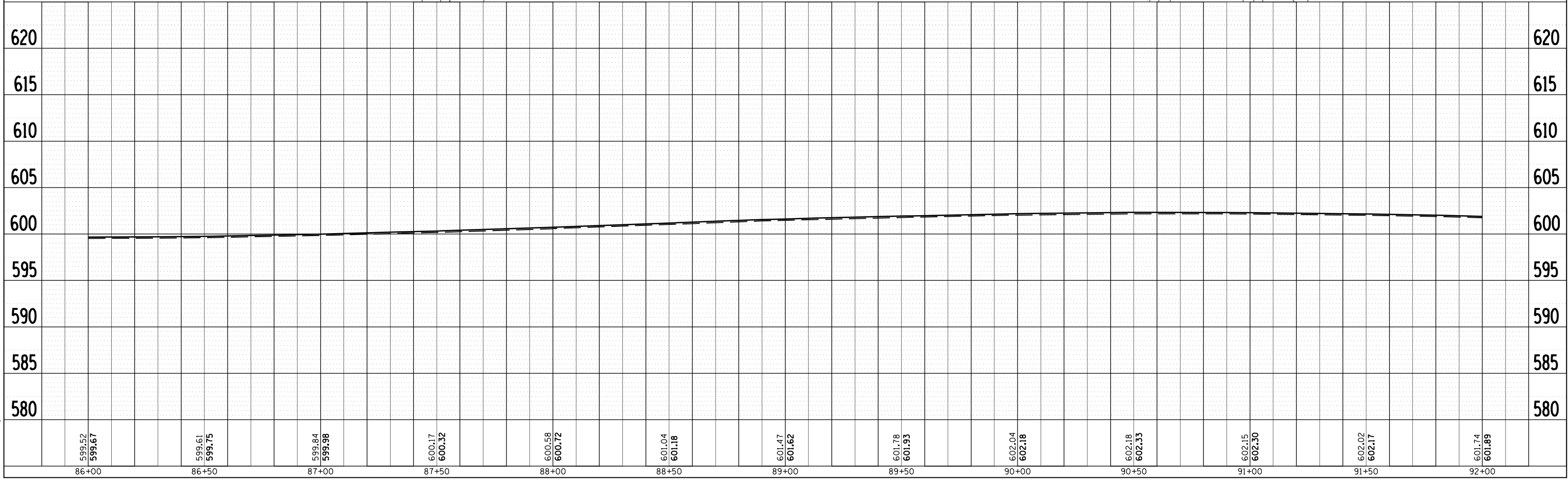
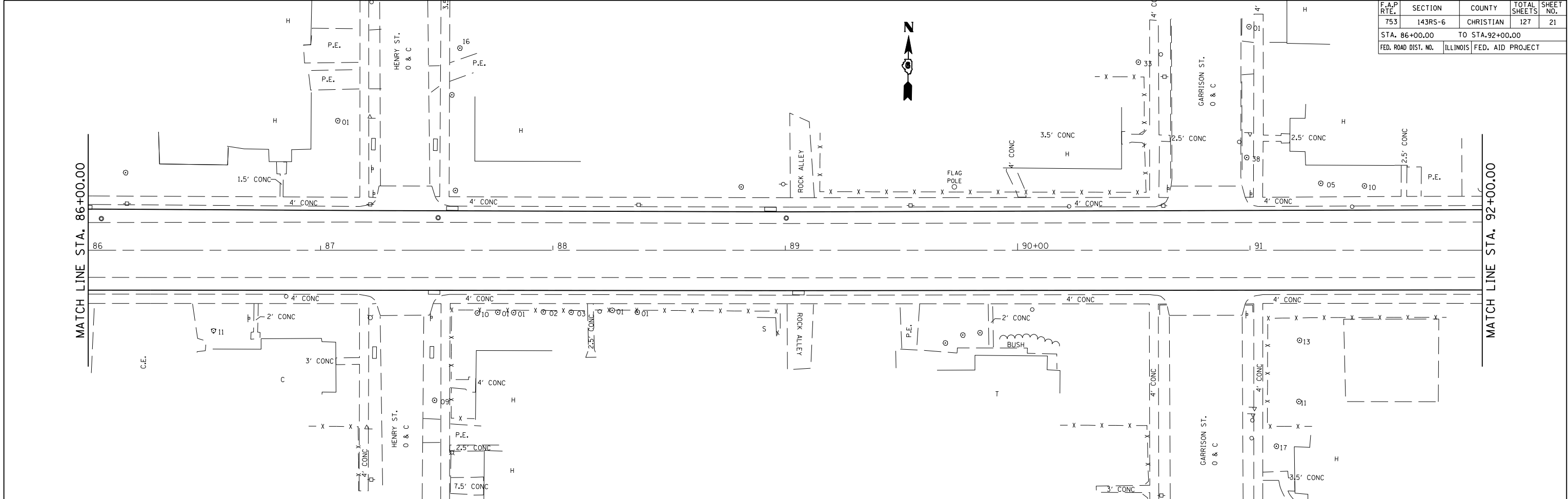


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	21
STA. 86+00.00		TO STA. 92+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NO.	PLotted		
	Checked		
	By		
	Noted		
	Structure		
	Notations		
	Card		

PROFILE	SURVEYED	BY	DATE
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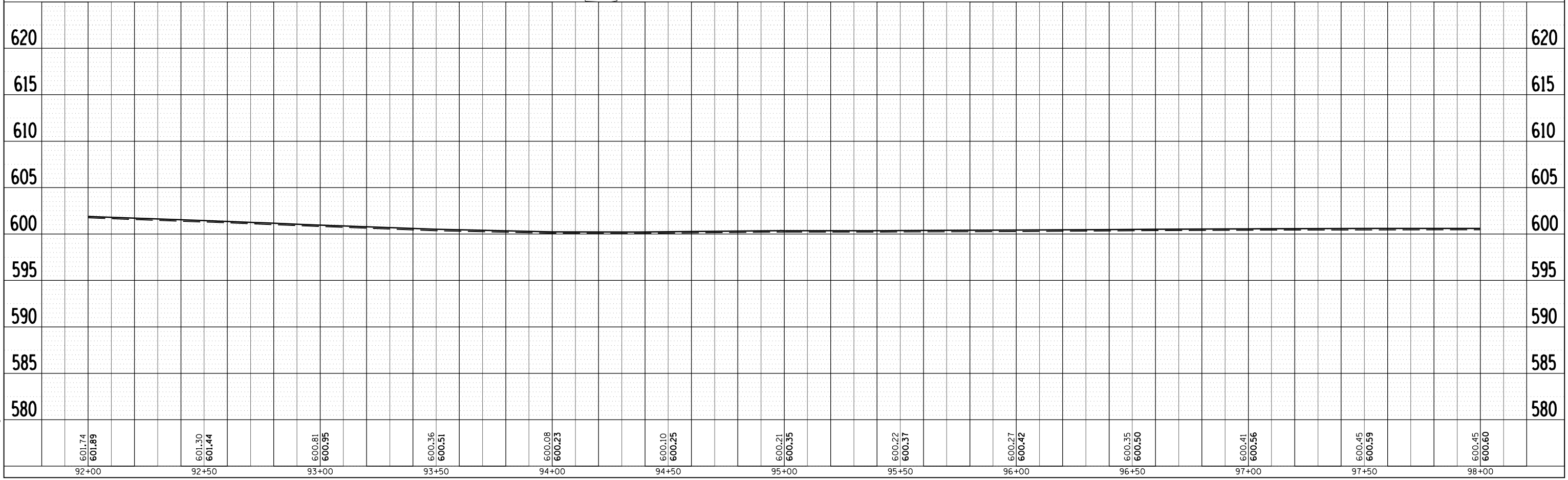
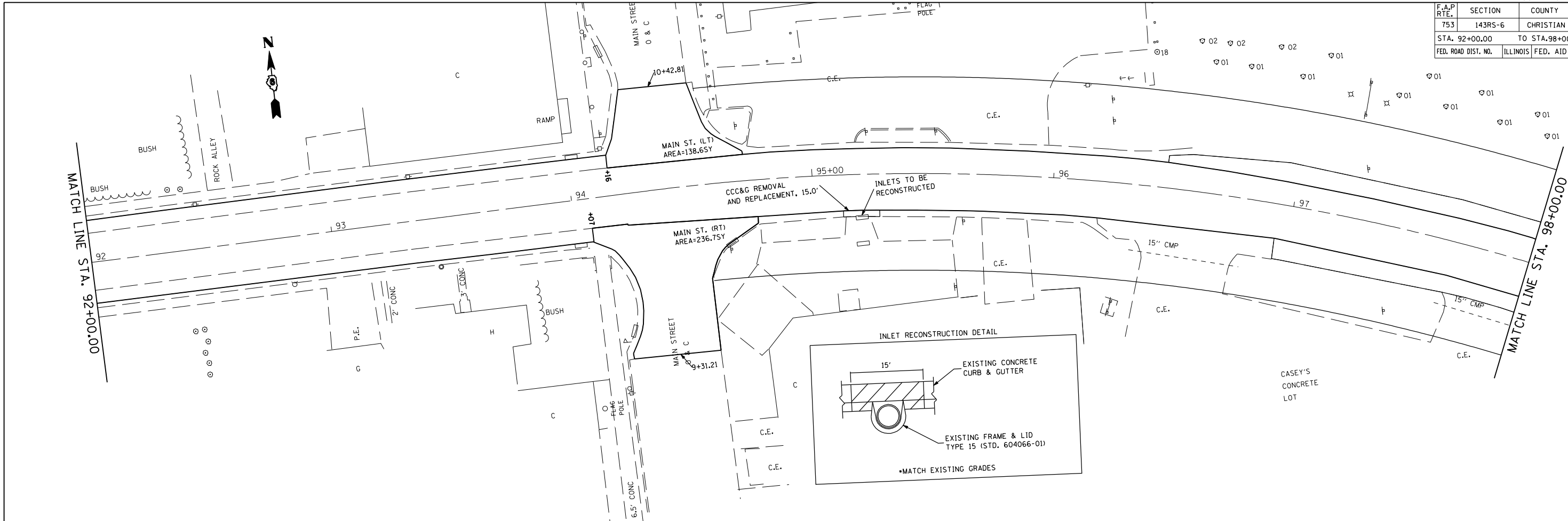


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	22
STA. 92+00.00		TO STA. 98+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NO. _____	PLOTTED		
	NOTED		
	BY		
	NO. _____		

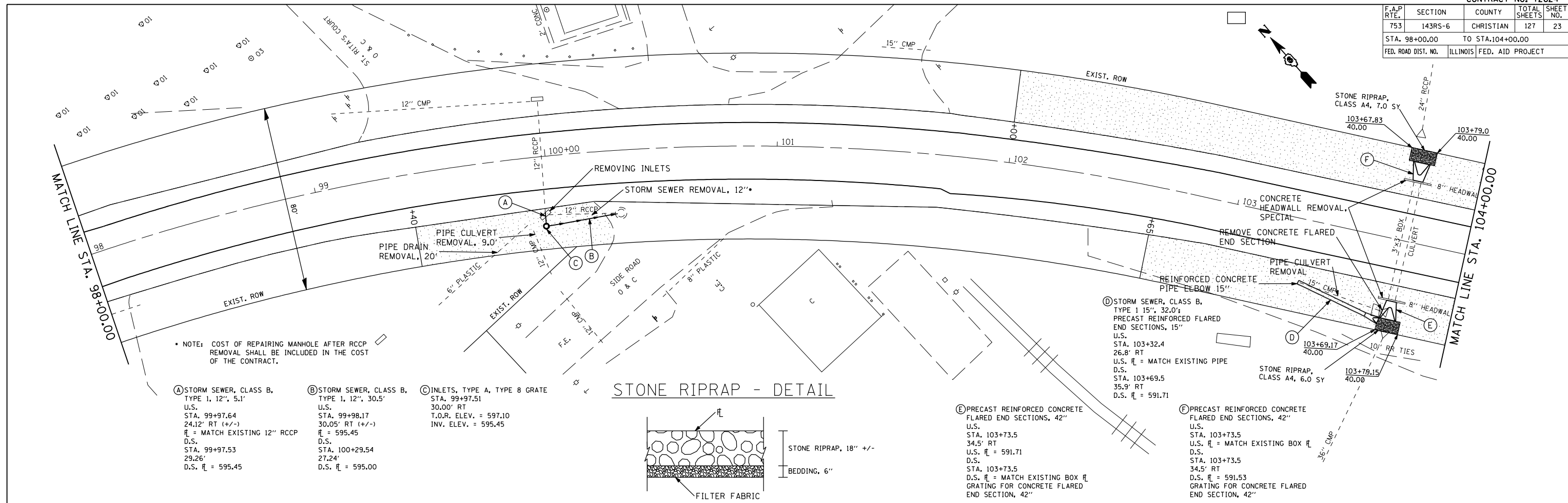
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 USER NAME = laughlin-1



CONTRACT NO. 72624				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	23
STA. 98+00.00		TO STA. 104+00.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

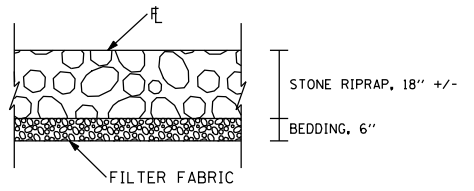
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	PLOTTED		
	NOTE BOOK		
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	CADD FILE NAME		
	NO.		



NOTE: COST OF REPAIRING MANHOLE AFTER RCCP REMOVAL SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

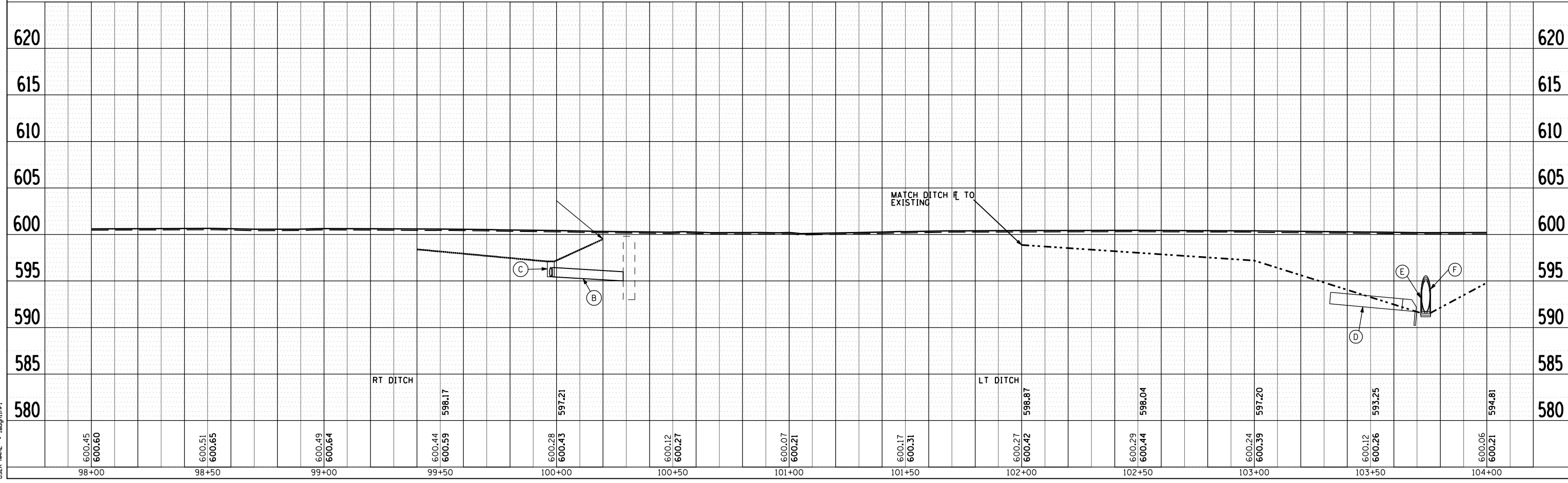
- A** STORM SEWER, CLASS B, TYPE 1, 12", 5.1' U.S. STA. 99+97.64 24.12' RT (+/-) U.S. \bar{R} = MATCH EXISTING 12" RCCP D.S. STA. 99+97.53 29.26' RT D.S. \bar{R} = 595.45
- B** STORM SEWER, CLASS B, TYPE 1, 12", 30.5' U.S. STA. 99+98.17 30.05' RT (+/-) U.S. \bar{R} = 595.45 D.S. STA. 100+29.54 27.24' RT D.S. \bar{R} = 595.00
- C** INLETS, TYPE A, TYPE B GRATE STA. 99+97.51 30.00' RT T.O.R. ELEV. = 597.10 INV. ELEV. = 595.45

STONE RIPRAP - DETAIL



- D** STORM SEWER, CLASS B, TYPE 1 15", 32.0' PRECAST REINFORCED FLARED END SECTIONS, 15" U.S. STA. 103+32.4 26.8' RT U.S. \bar{R} = MATCH EXISTING PIPE D.S. STA. 103+69.5 35.9' RT D.S. \bar{R} = 591.71
- E** PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 42" U.S. STA. 103+73.5 34.5' RT U.S. \bar{R} = 591.71 D.S. STA. 103+73.5 34.5' RT D.S. \bar{R} = MATCH EXISTING BOX \bar{R} GRATING FOR CONCRETE FLARED END SECTION, 42"
- F** PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 42" U.S. STA. 103+73.5 34.5' RT U.S. \bar{R} = MATCH EXISTING BOX \bar{R} GRATING FOR CONCRETE FLARED END SECTION, 42"

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



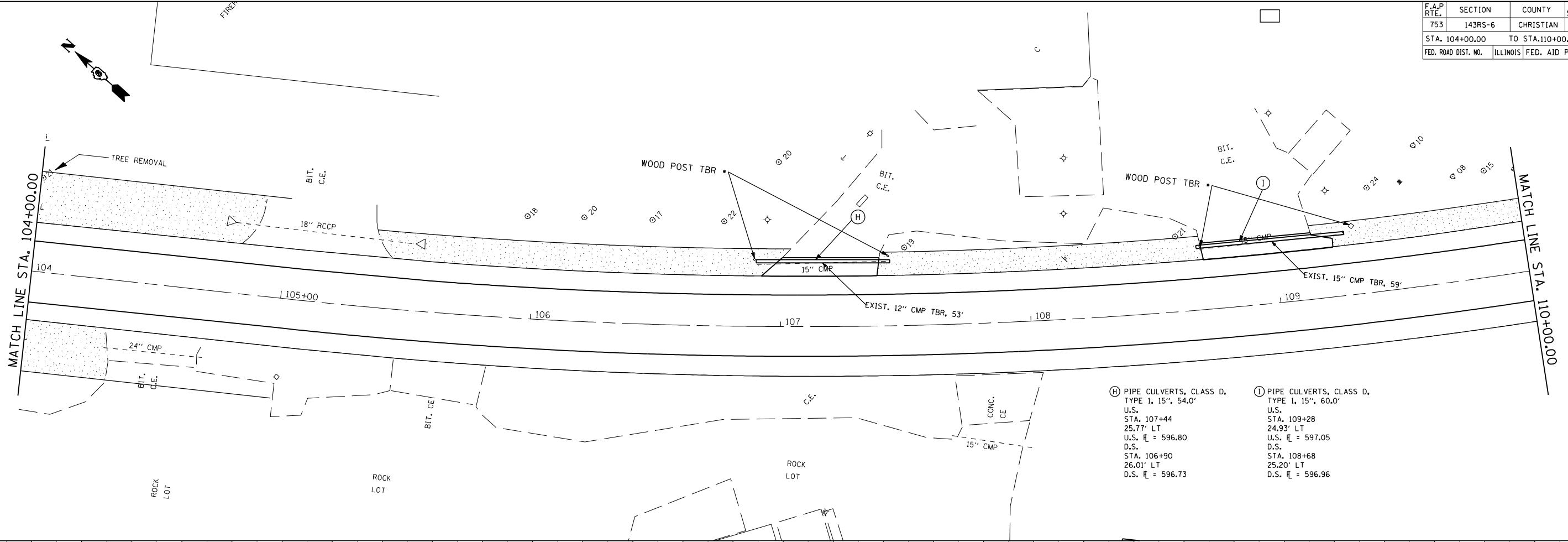
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	24
STA. 104+00.00		TO STA. 110+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

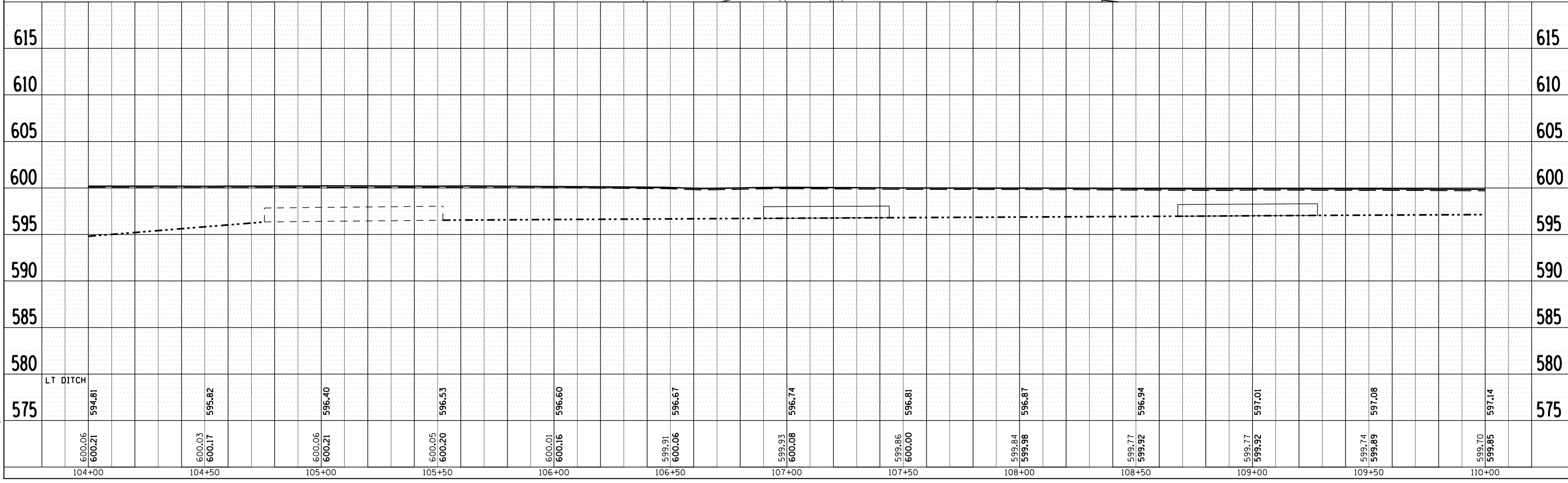
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NO. _____	PLOTTED _____		
	NOTED _____		
	CHK'D _____		
	DATE FILED _____		

PROFILE	SURVEYED	BY	DATE
NO. _____	PLOTTED _____		
	NOTED _____		
	CHK'D _____		
	DATE FILED _____		

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 PLOT SCALE = 42.3529' / IN.
 USER NAME = laughlin-1



- (H) PIPE CULVERTS, CLASS D,
TYPE 1, 15", 54.0'
U.S.
STA. 107+44
25.77' LT
U.S. \bar{x} = 596.80
D.S.
STA. 106+90
26.01' LT
D.S. \bar{x} = 596.73
- (I) PIPE CULVERTS, CLASS D,
TYPE 1, 15", 60.0'
U.S.
STA. 109+28
24.93' LT
U.S. \bar{x} = 597.05
D.S.
STA. 108+68
25.20' LT
D.S. \bar{x} = 596.96

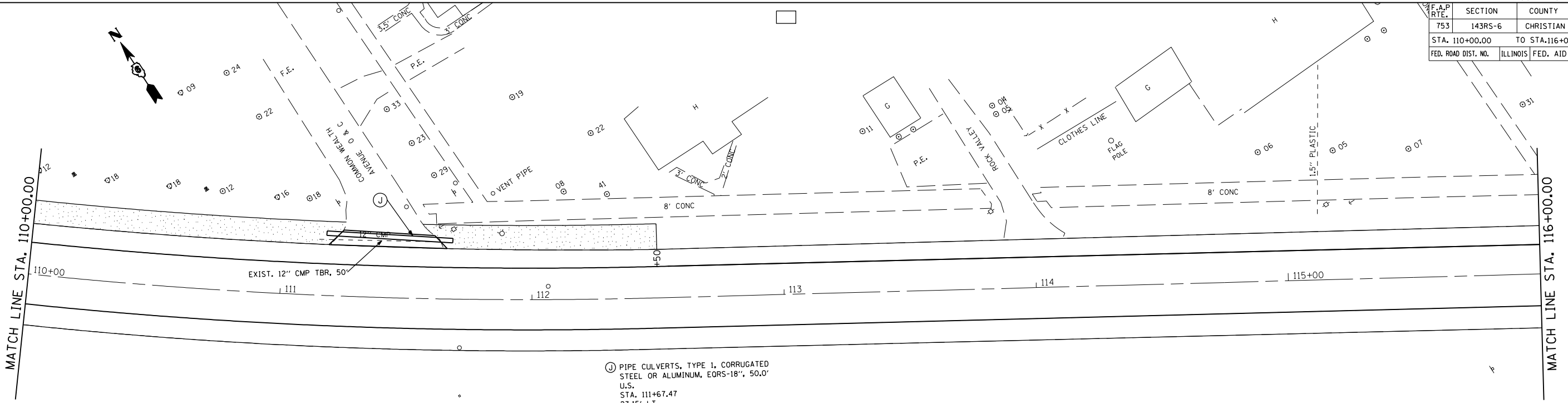


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	25
STA. 110+00.00		TO STA.116+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

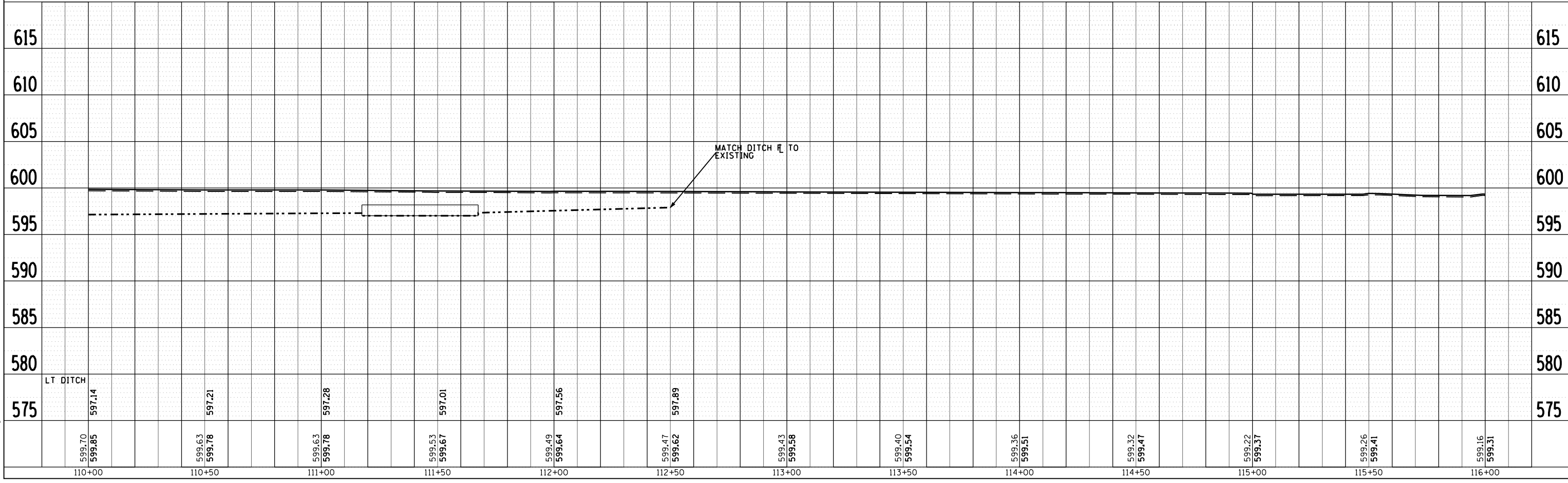
PLAN	SURVEYED	BY	DATE
	PLOTTED		
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	FILED		

PROFILE	SURVEYED	BY	DATE
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	FILED		

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 PLOT SCALE = 42.3529' / IN.
 USER NAME = laughlin-1



ⓐ PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM, EORS-18", 50.0'
 U.S. STA. 111+67.47
 23.15' LT
 U.S. RL = 597.01
 U.S. DITCH RL = 597.34
 D.S. STA. 111+17.47
 24.71' LT
 D.S. RL = 597.01
 D.S. DITCH RL = 597.30



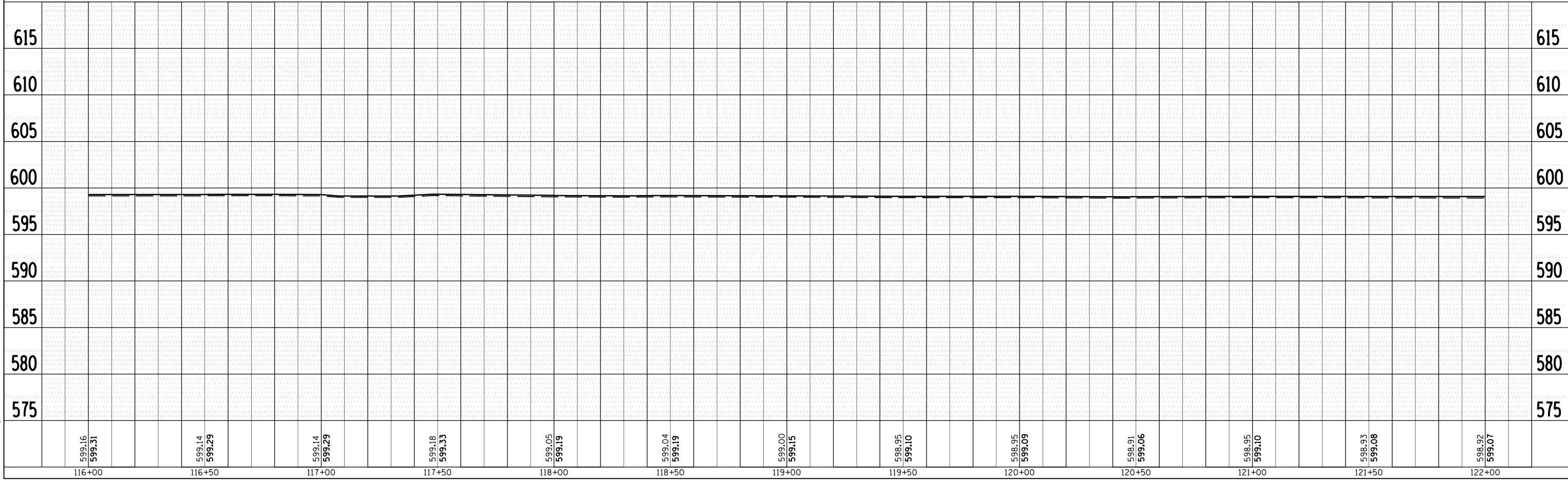
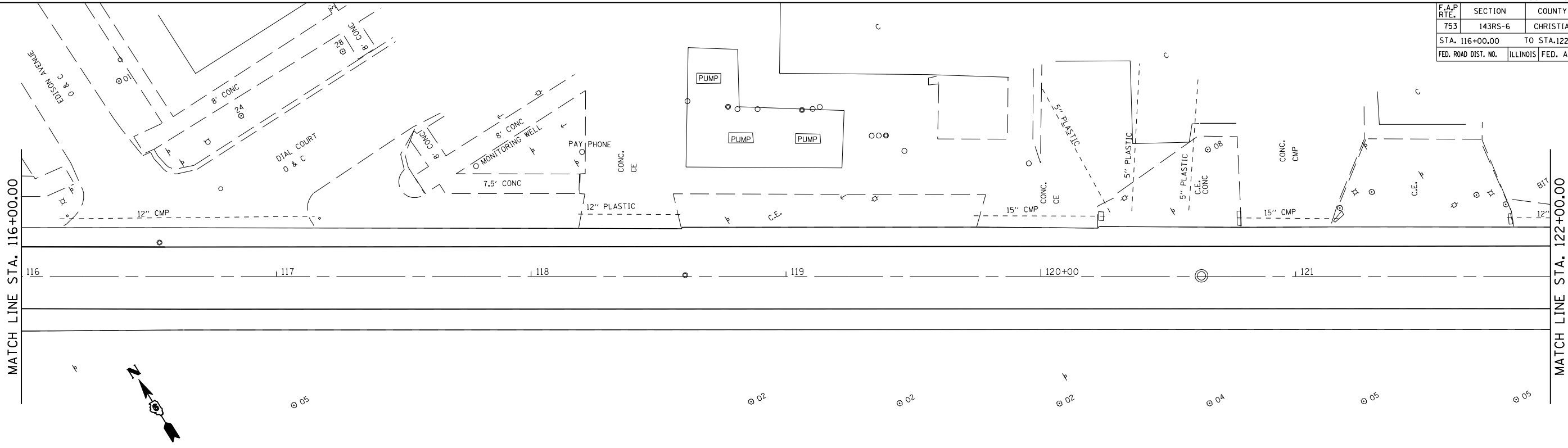
110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	26
STA. 116+00.00		TO STA. 122+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NOTED			
PICTURED			
PLOTTED			
NOTE BOOK NO.			
NO. OF WAY CHECKED			
CADD FILE NAME			

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

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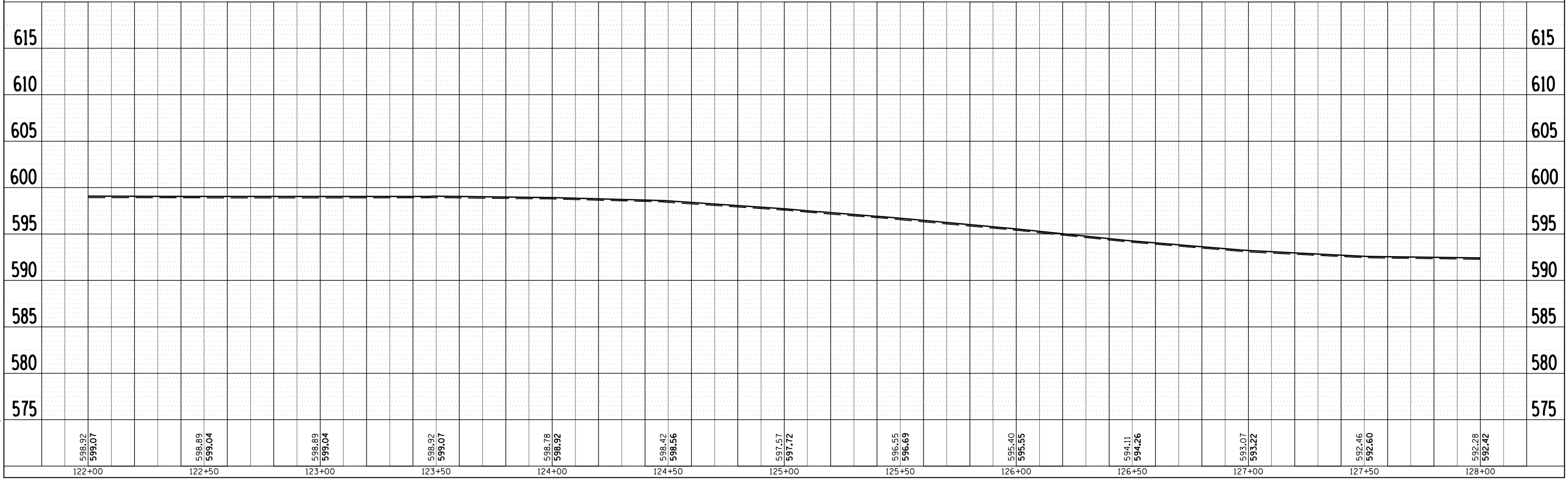
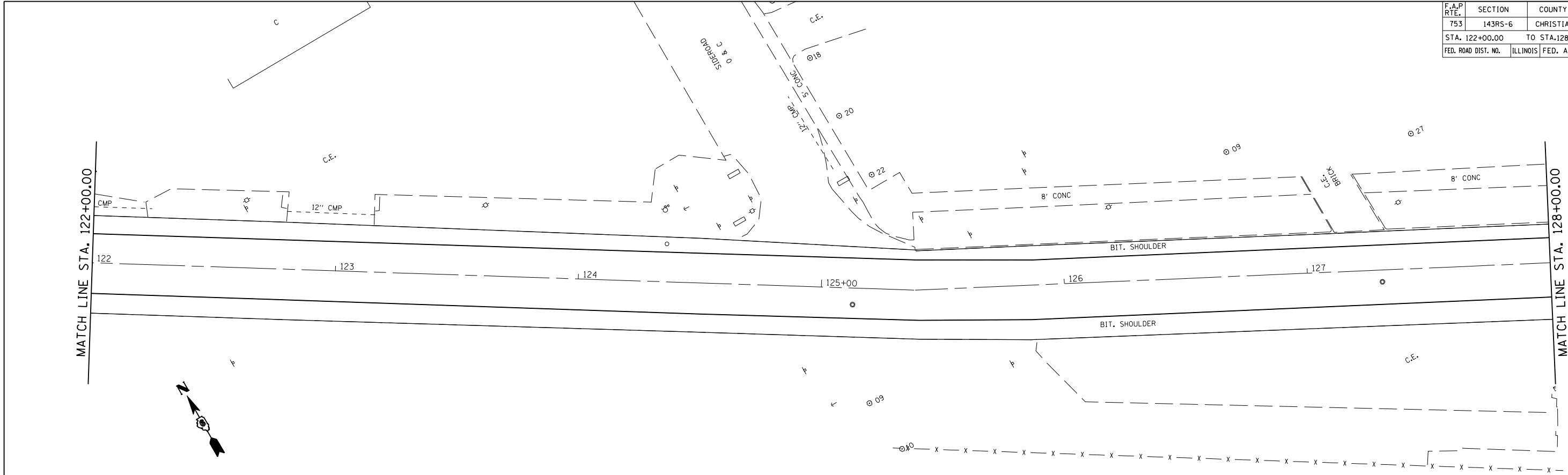


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	27
STA. 122+00.00		TO STA. 128+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NOTED			
NOTE BOOK NO.			
CADD FILE NAME			

PROFILE	SURVEYED	BY	DATE
NOTED			
NOTE BOOK NO.			
STRUCTURE NOTATIONS CHRD			

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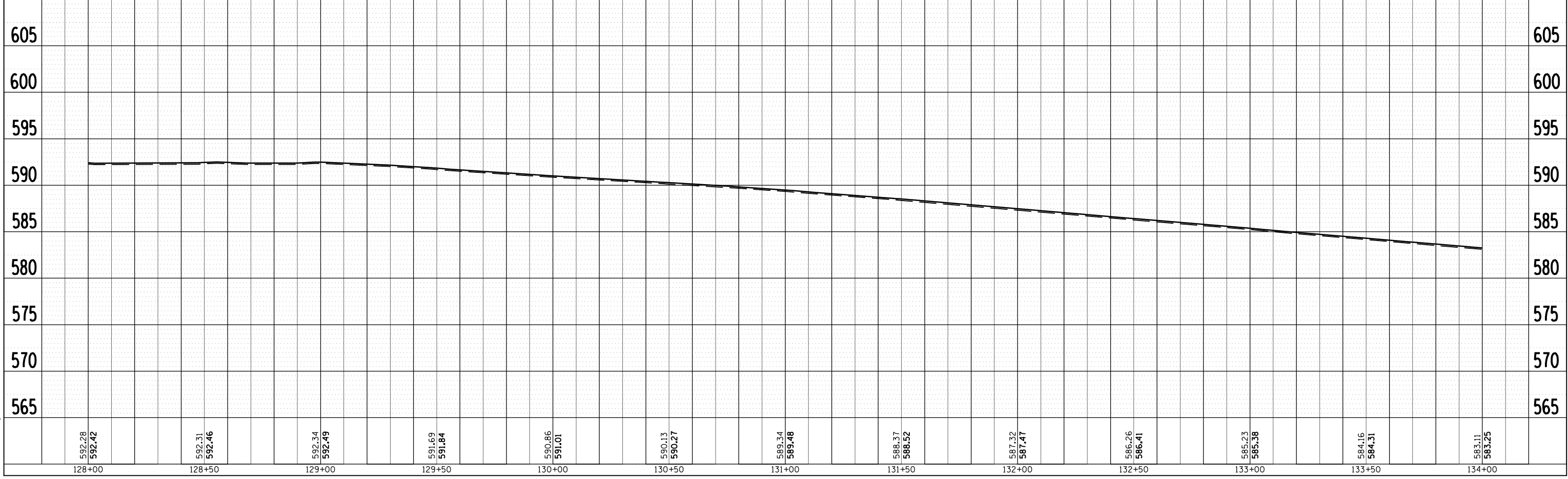
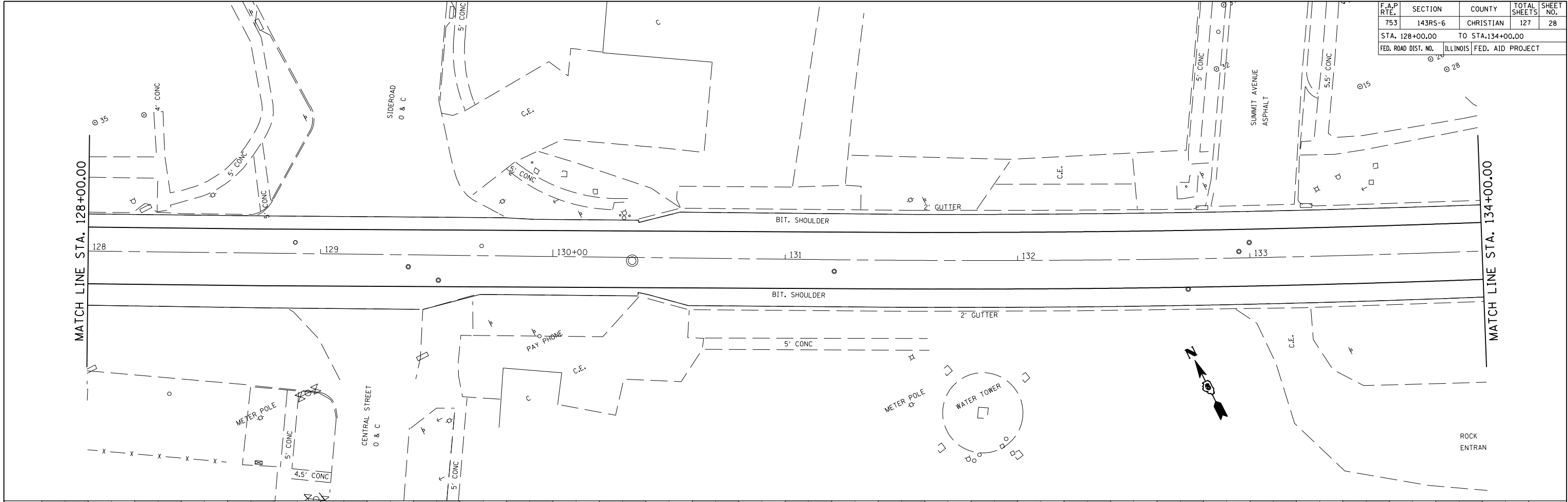


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	28
STA. 128+00.00		TO STA. 134+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NO. _____	PLOTTED		
	CHECKED		
	BY		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
NO. _____	PLOTTED		
	CHECKED		
	BY		
	NO. _____		

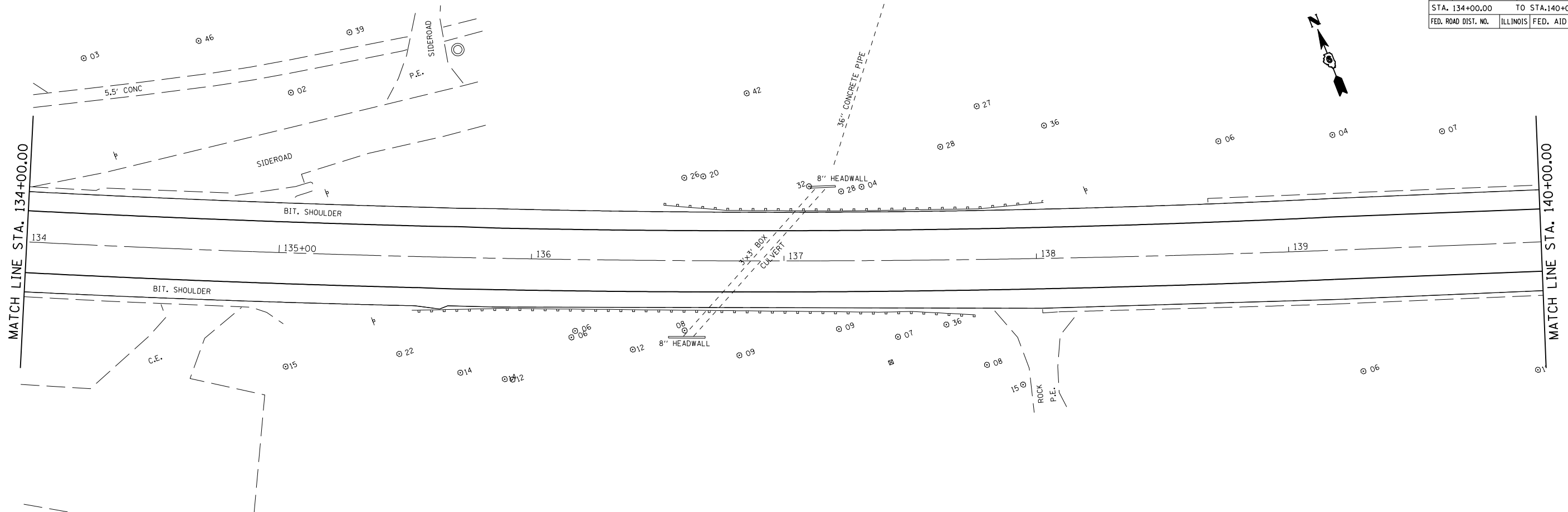
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	29
STA. 134+00.00		TO STA. 140+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

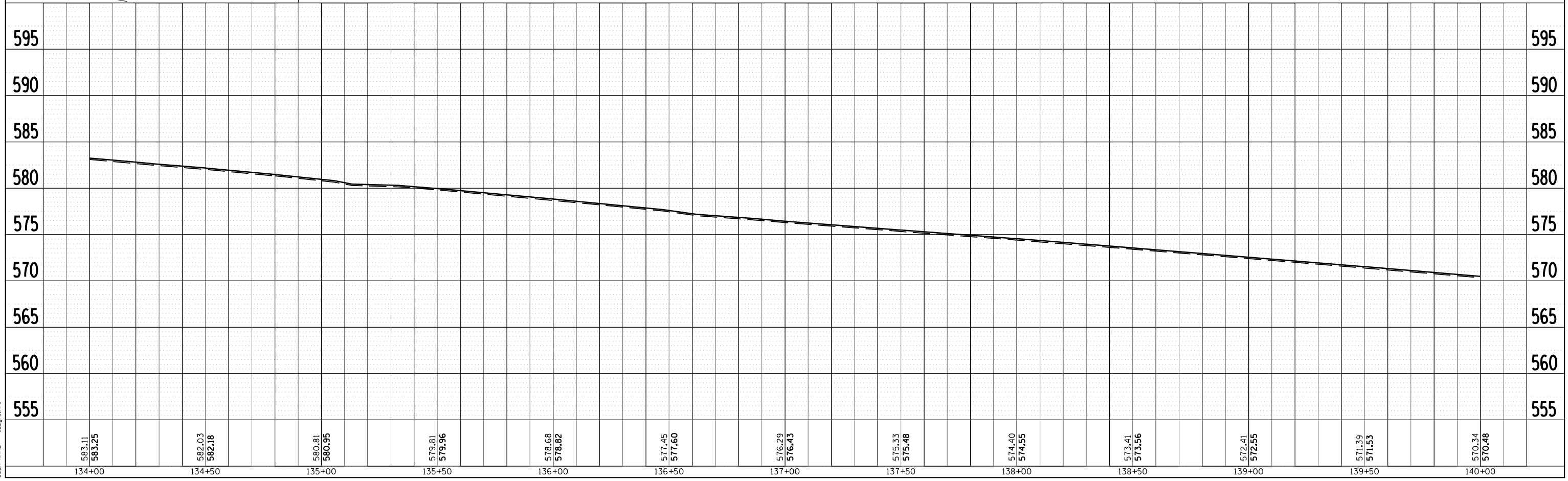


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	NOTE BOOK NO.		
	DATE FILED		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	NOTE BOOK NO.		
	DATE FILED		

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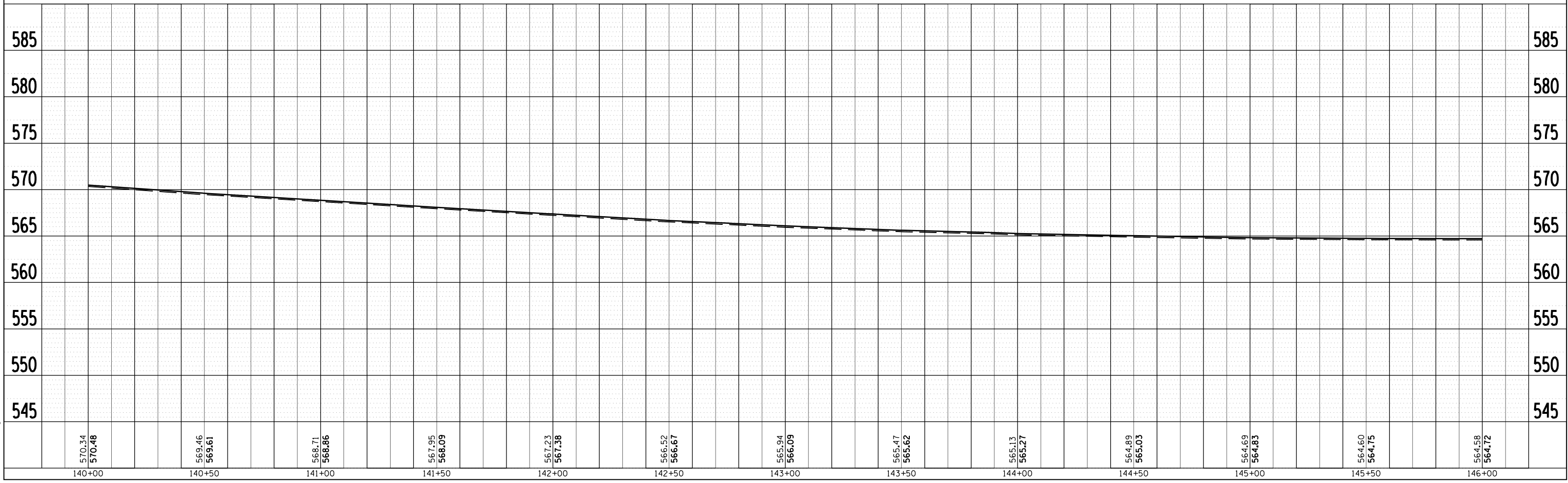
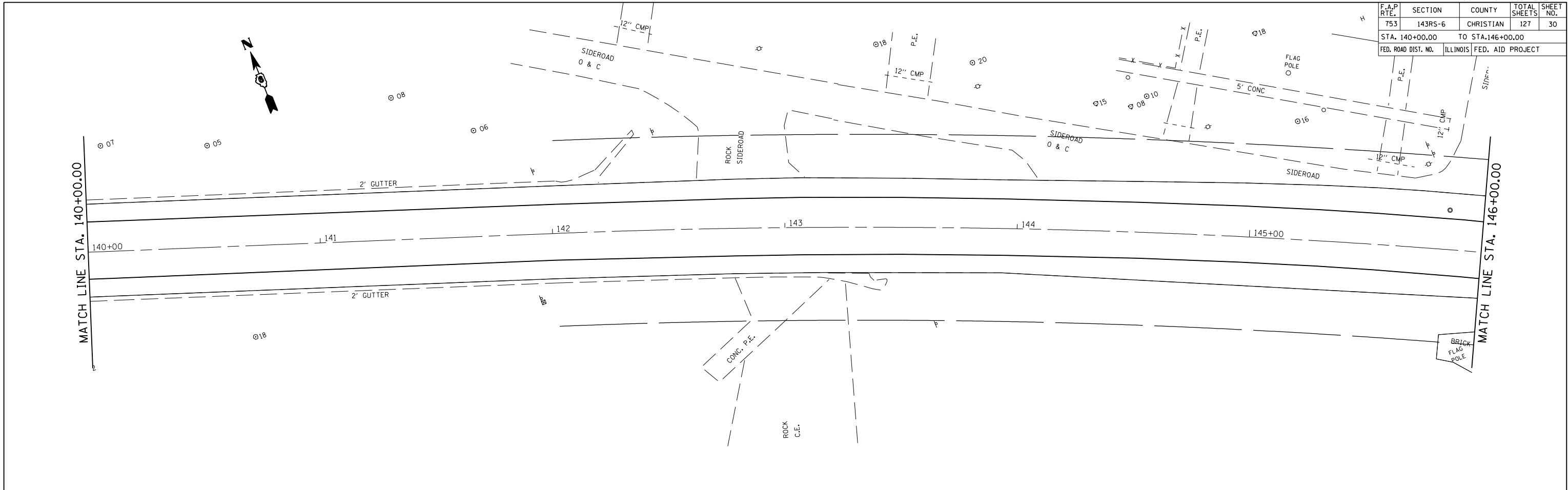


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	30
STA. 140+00.00		TO STA.146+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NOTED	PLOTTED		
NOTE BOOK NO.	FILE NAME		

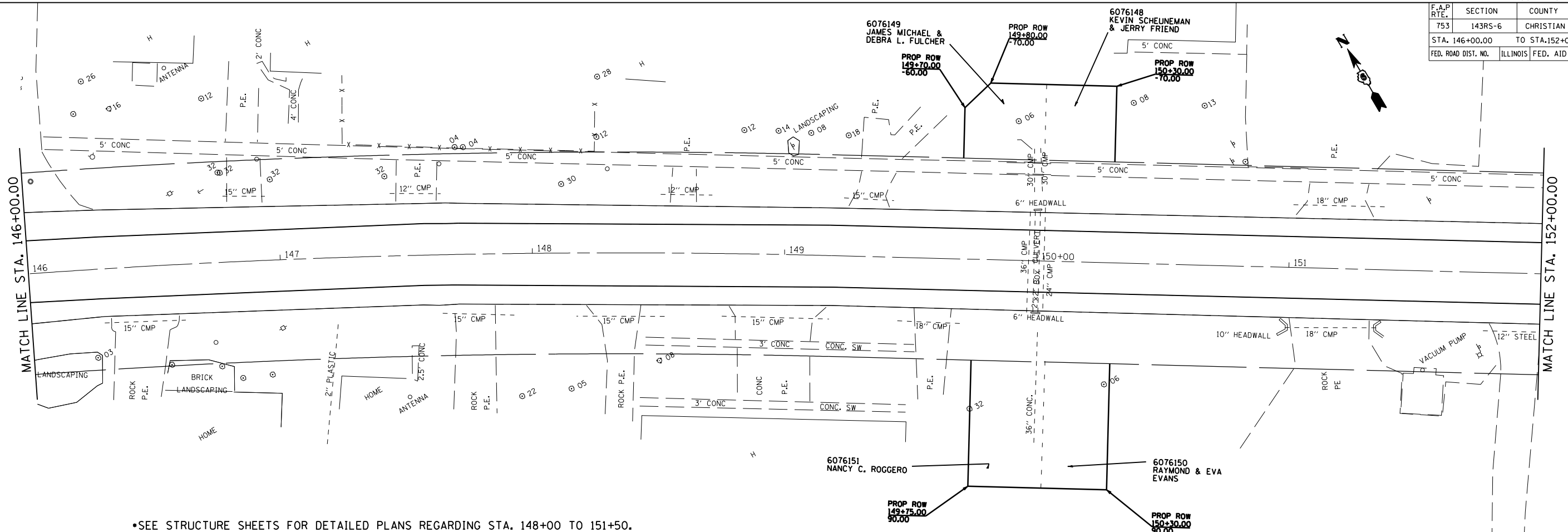
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NOTED	PLOTTED		
NOTE BOOK NO.	FILE NAME		

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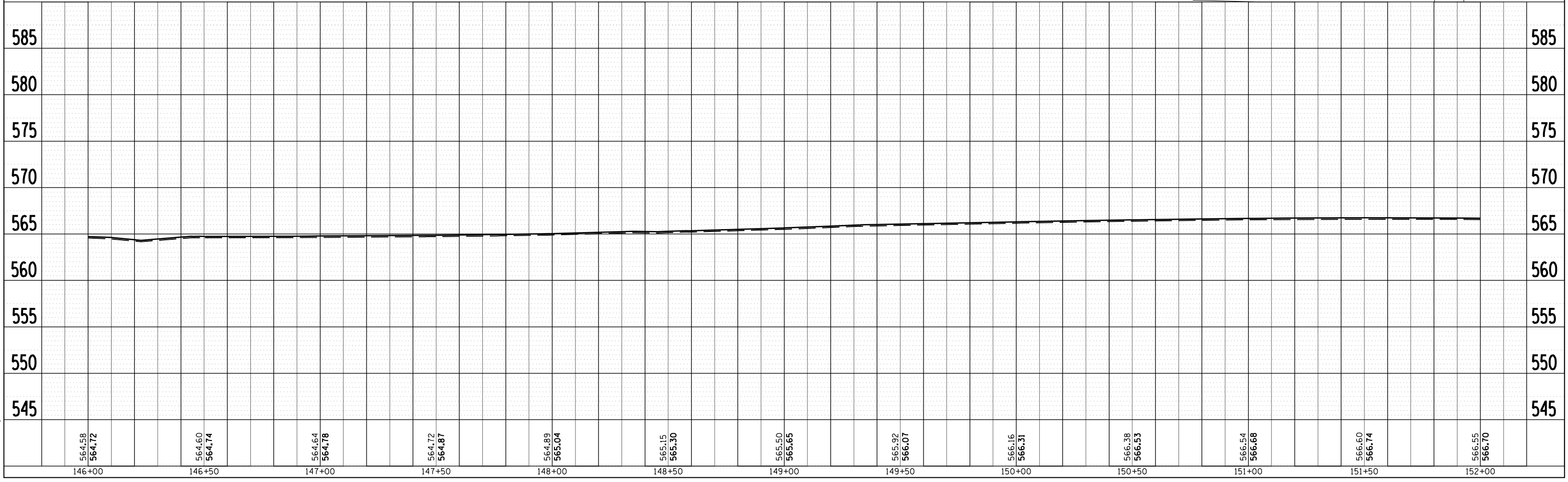
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	31
STA. 146+00.00		TO STA.152+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		



•SEE STRUCTURE SHEETS FOR DETAILED PLANS REGARDING STA. 148+00 TO 151+50.

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHRD		



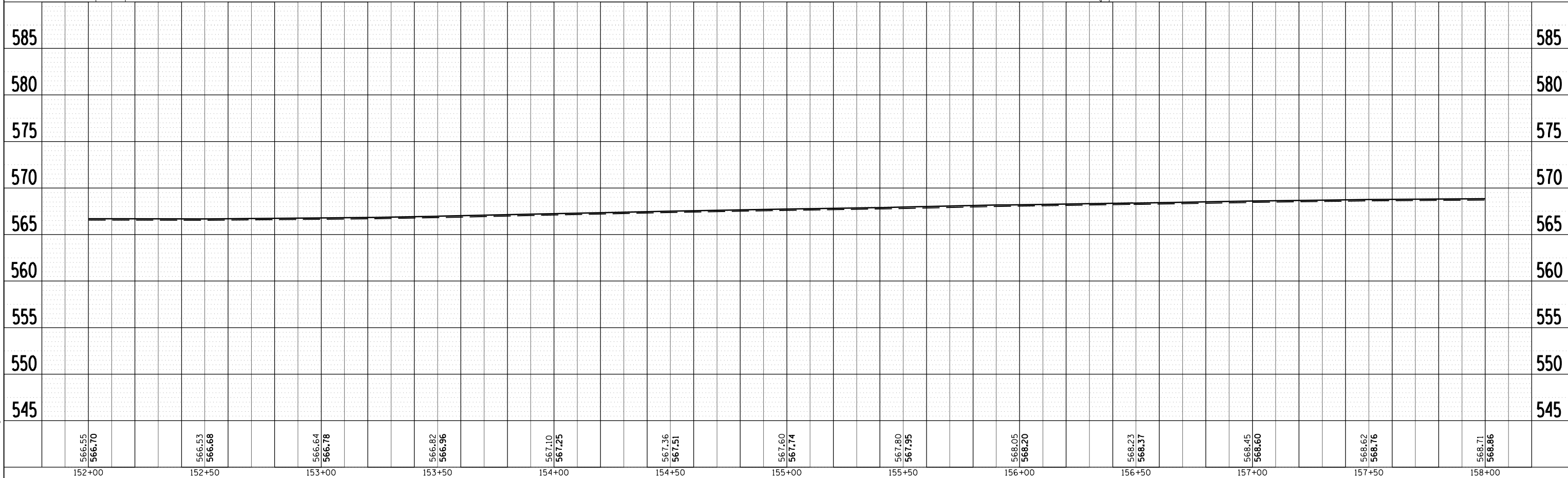
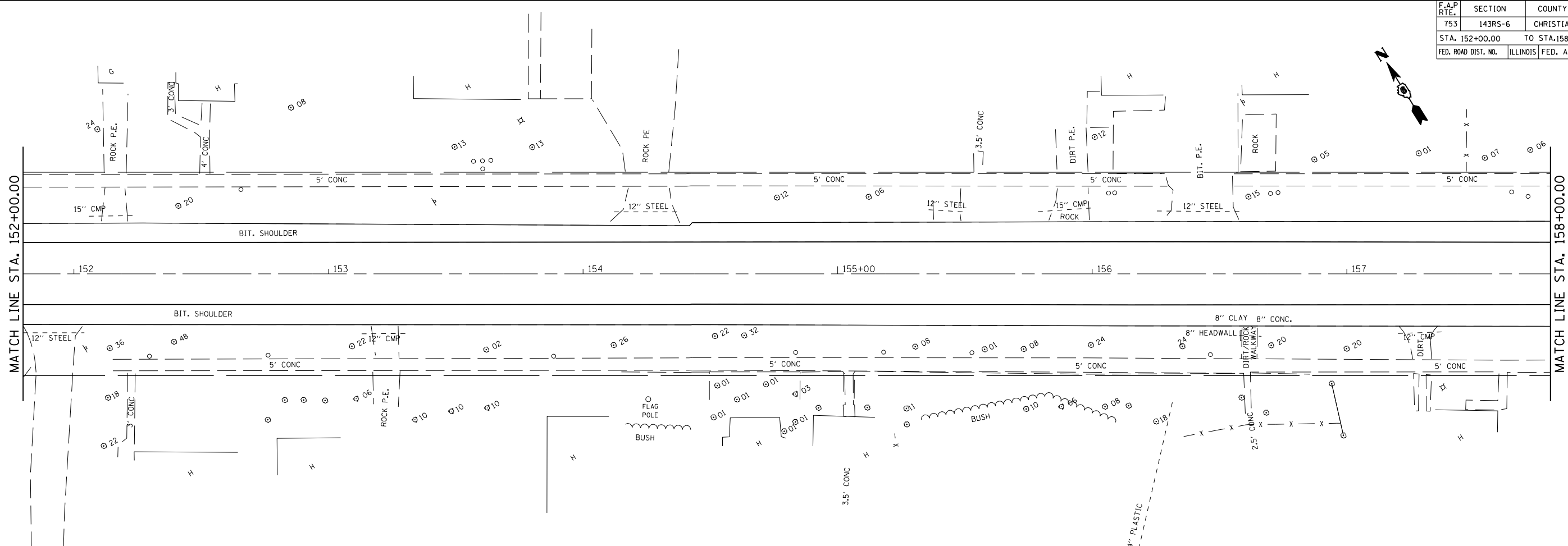
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	32

STA. 152+00.00 TO STA. 158+00.00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
NO. _____	PLotted _____		
	Checked _____		
	Noted _____		
	Structure _____		
	Notations _____		
	Checked _____		
	Notations _____		

PROFILE	SURVEYED	BY	DATE
NO. _____	Plotted _____		
	Checked _____		
	Noted _____		
	Structure _____		
	Notations _____		
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	Notations _____		

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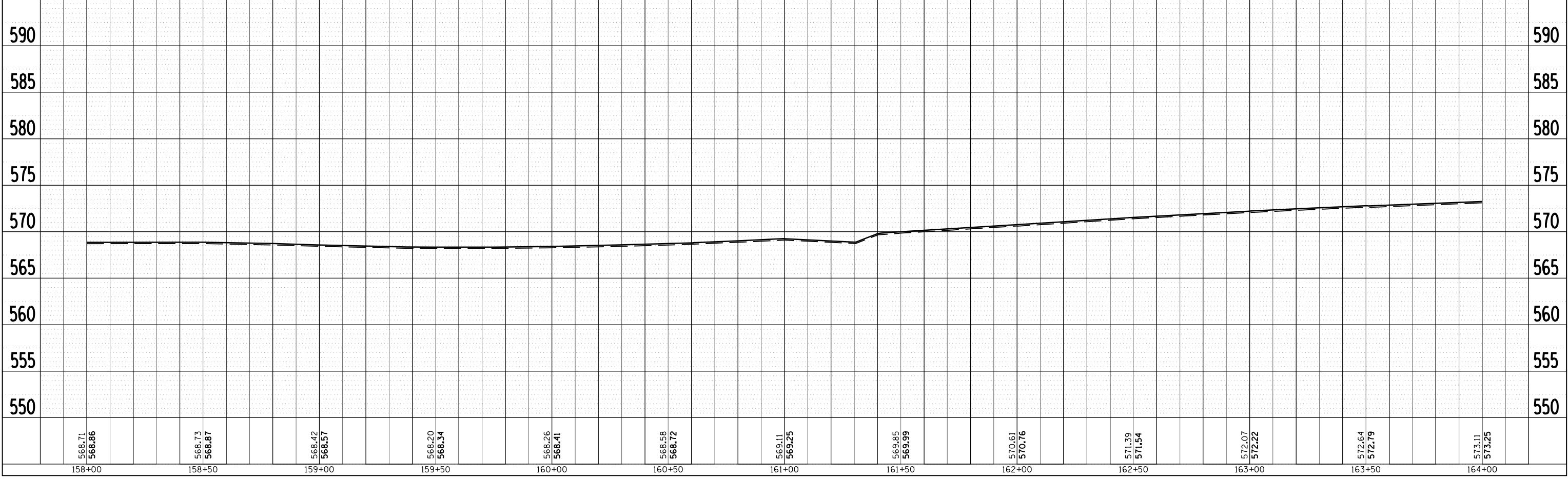
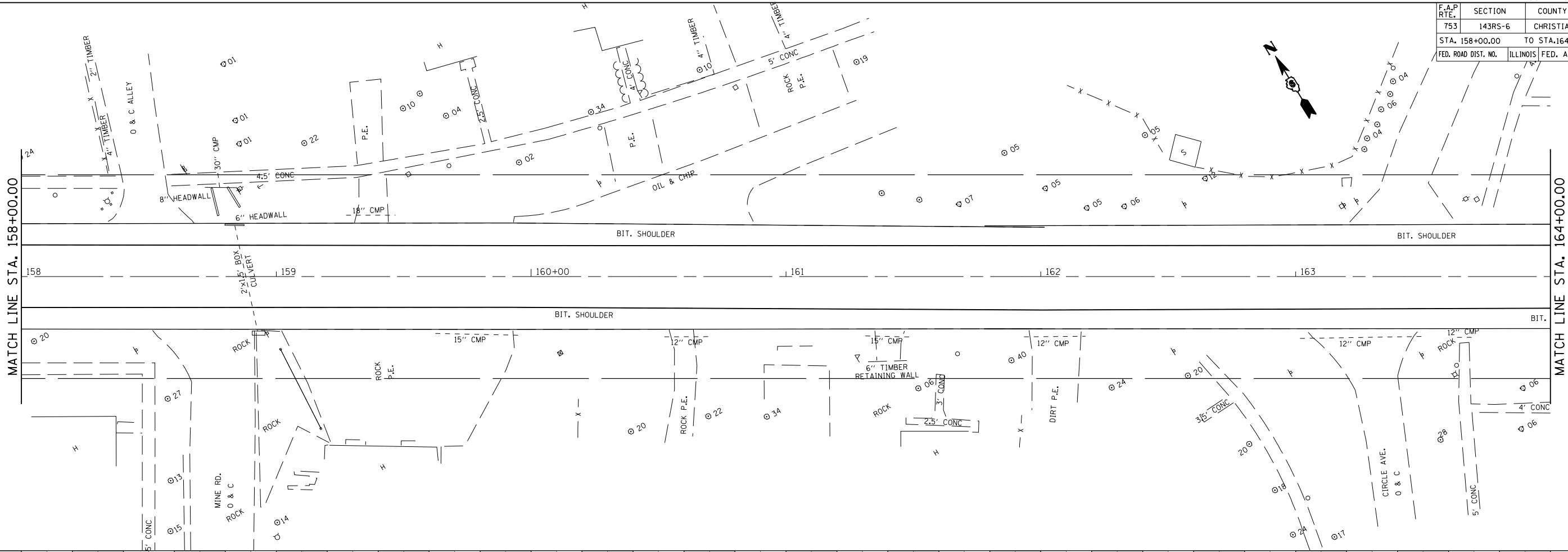


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	33
STA. 158+00.00		TO STA.164+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NOTED	PLOTTED		
NOTE BOOK NO.	PI. OF WAY CHECKED		
	ADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTED	PLOTTED		
NOTE BOOK NO.	BLM. NOTED		
	STRUCTURE NOTATIONS CHKD		

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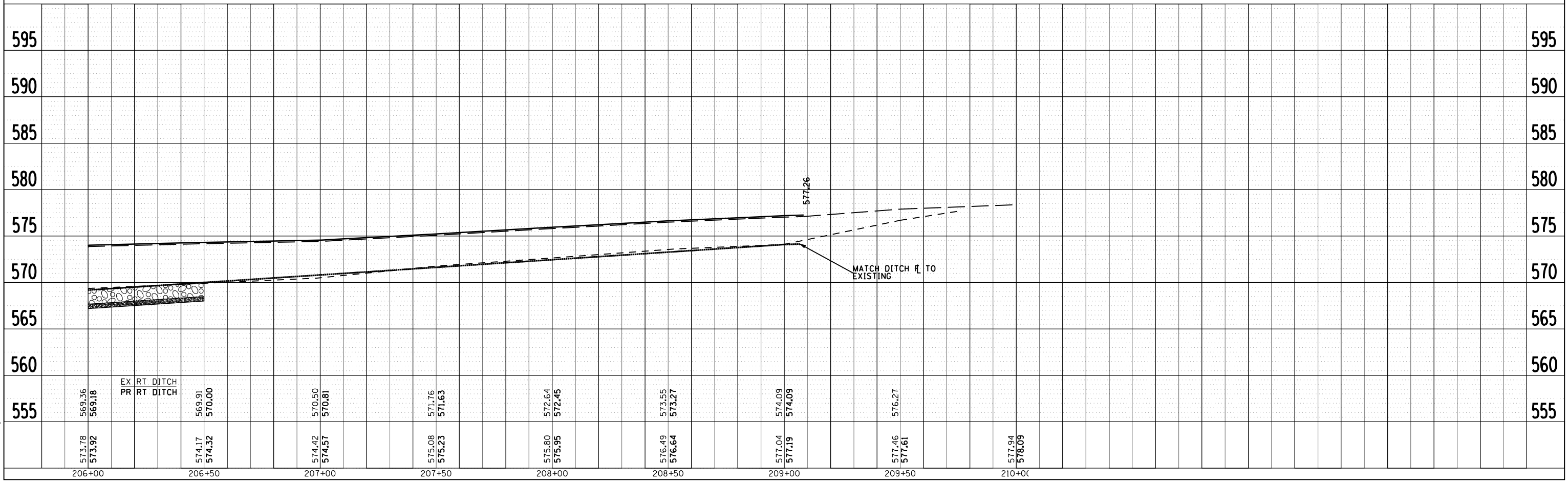
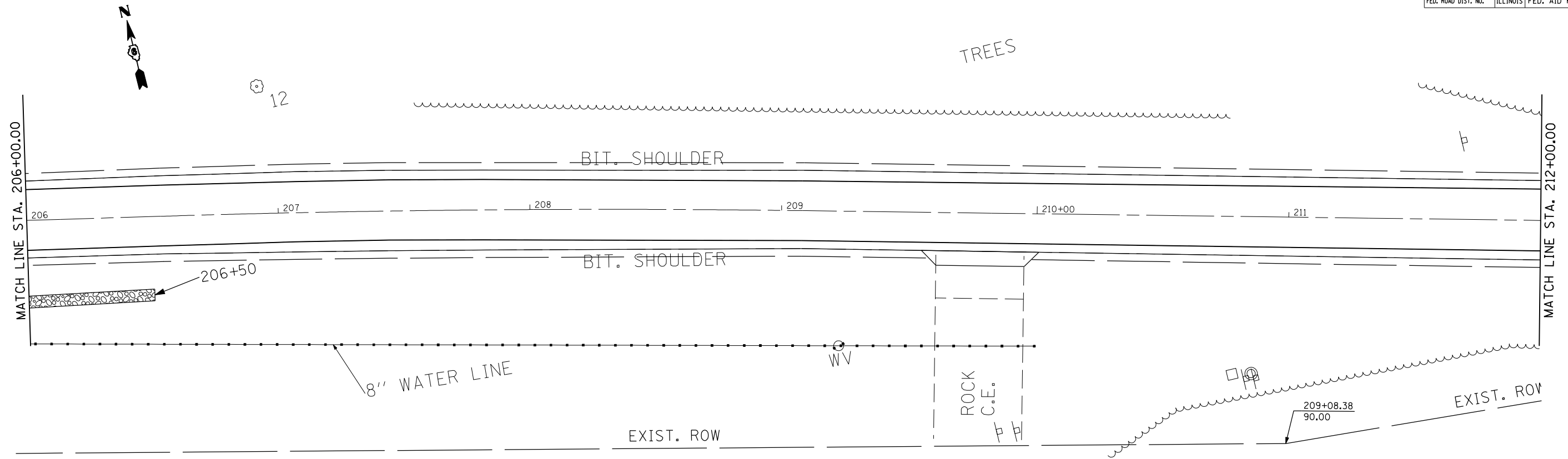


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	41
STA. 206+00.00		TO STA. 212+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO.	NO.		
NOTE BOOK	PLOTTED		
	BY		
	NO.		
	DATE		

PROFILE	SURVEYED	BY	DATE
NO.	NO.		
	PLOTTED		
	BY		
	NO.		
	DATE		

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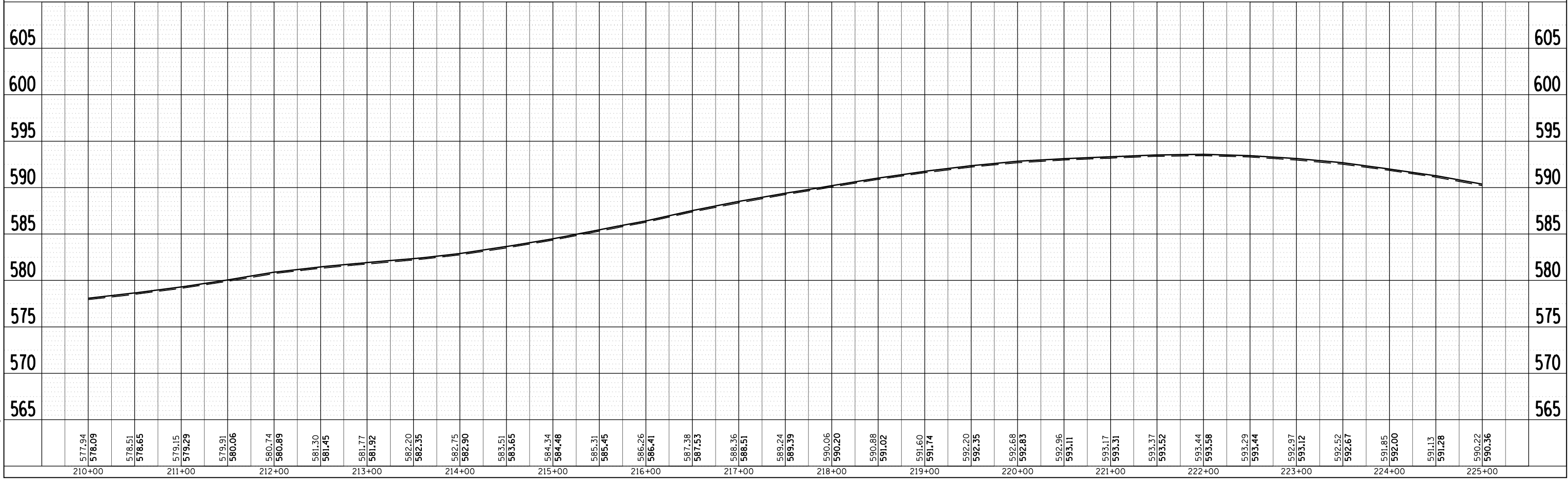
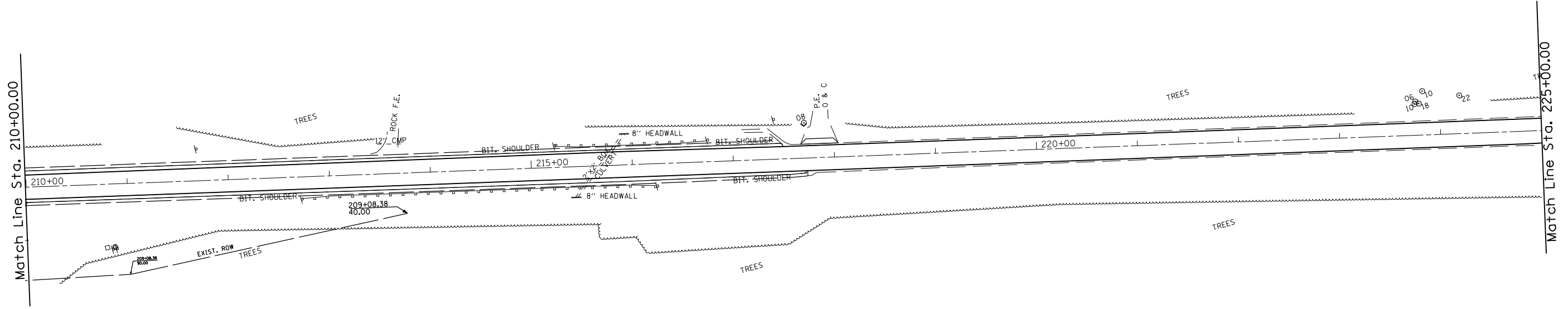


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	42
STA. 210+00.00		TO STA. 225+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO. _____	PLOTTED _____	_____	_____
NOTE BOOK NO. _____	CHECKED BY _____	_____	_____
	DATE _____	_____	_____

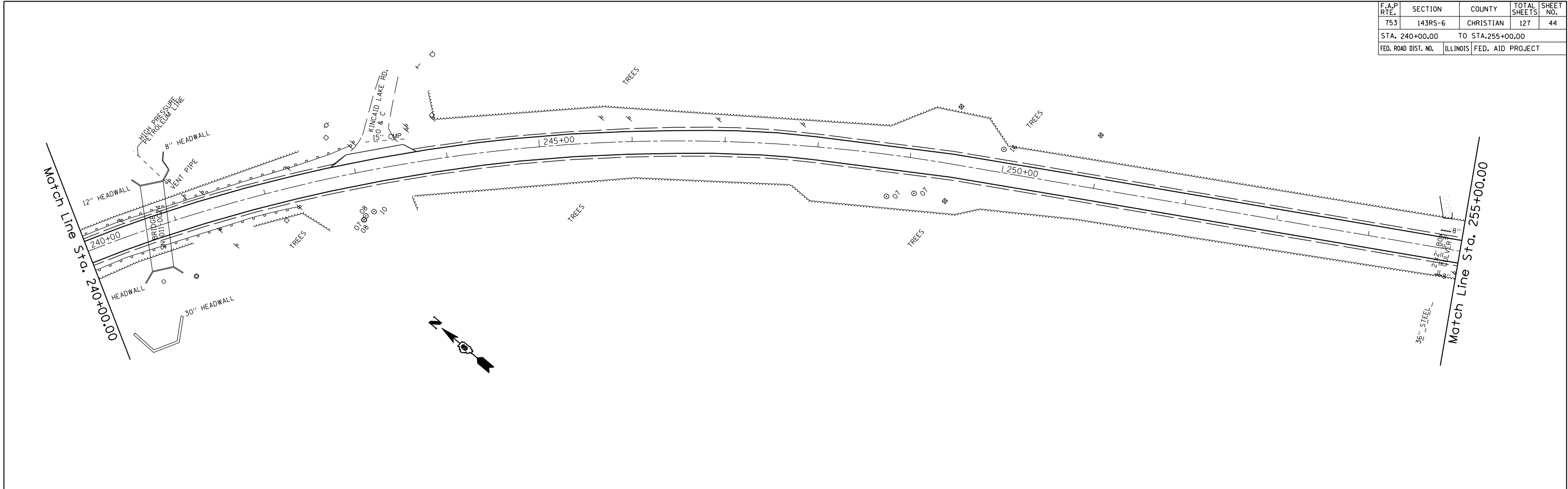
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	CHECKED BY _____	_____	_____
	DATE _____	_____	_____

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 USER NAME = laughlin-1



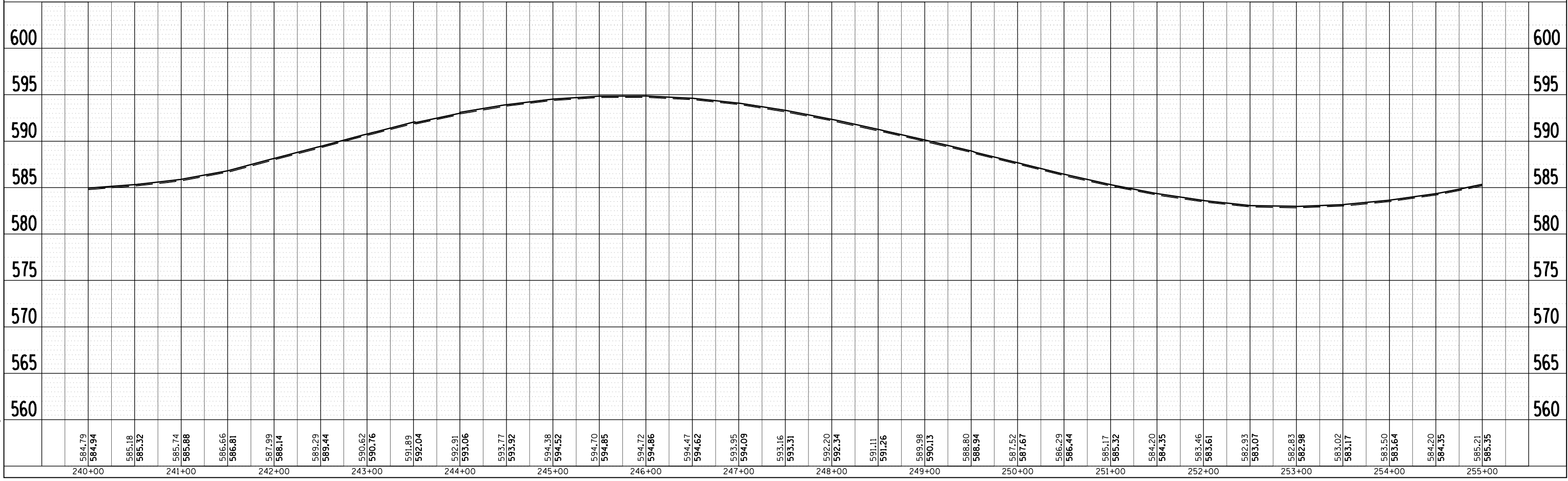
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753	143RS-6	CHRISTIAN	127	44
STA. 240+00.00		TO STA. 255+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
	CHKD BY _____		
	DATE _____		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
	CHKD BY _____		
	DATE _____		

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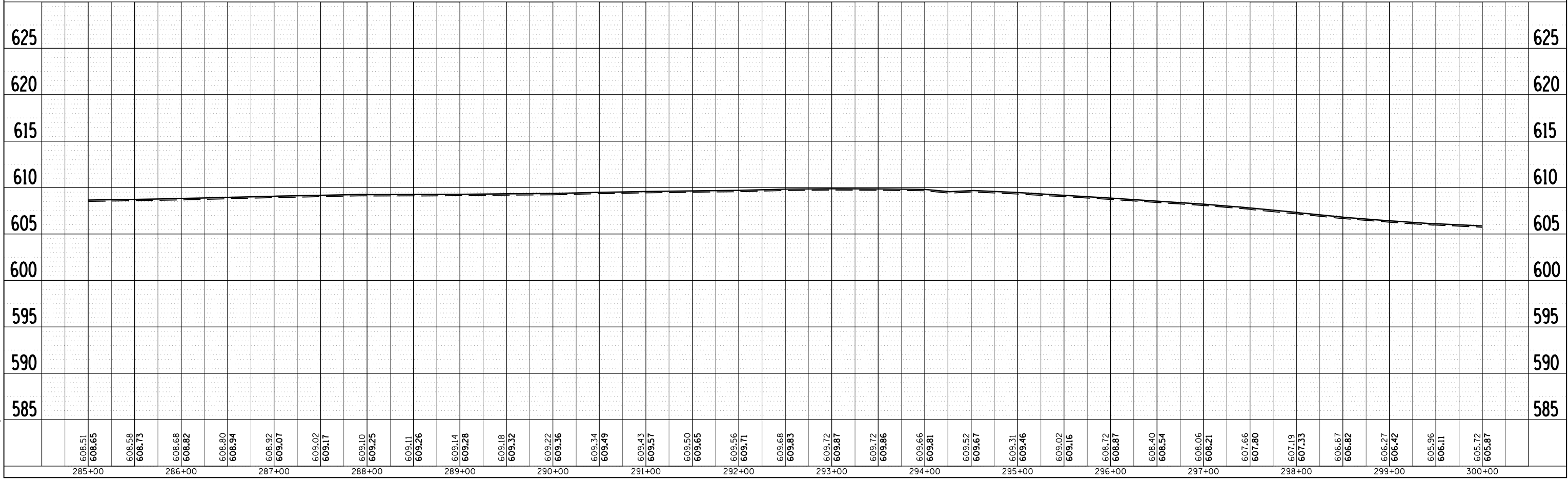
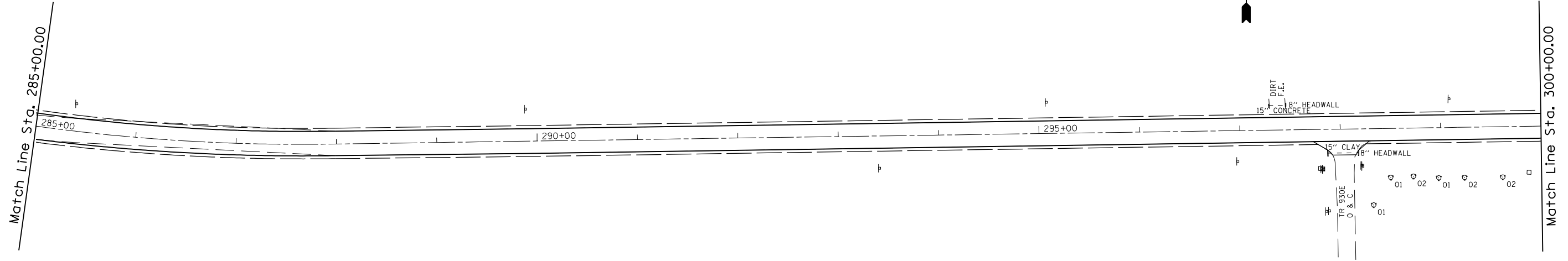


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	47
STA. 285+00.00		TO STA. 300+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	NOTED		
	BY		
	NO.		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	NOTED		
	BY		
	NO.		

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 USER NAME = laughlin-1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN		49
STA. 315+00.00		TO STA.330+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

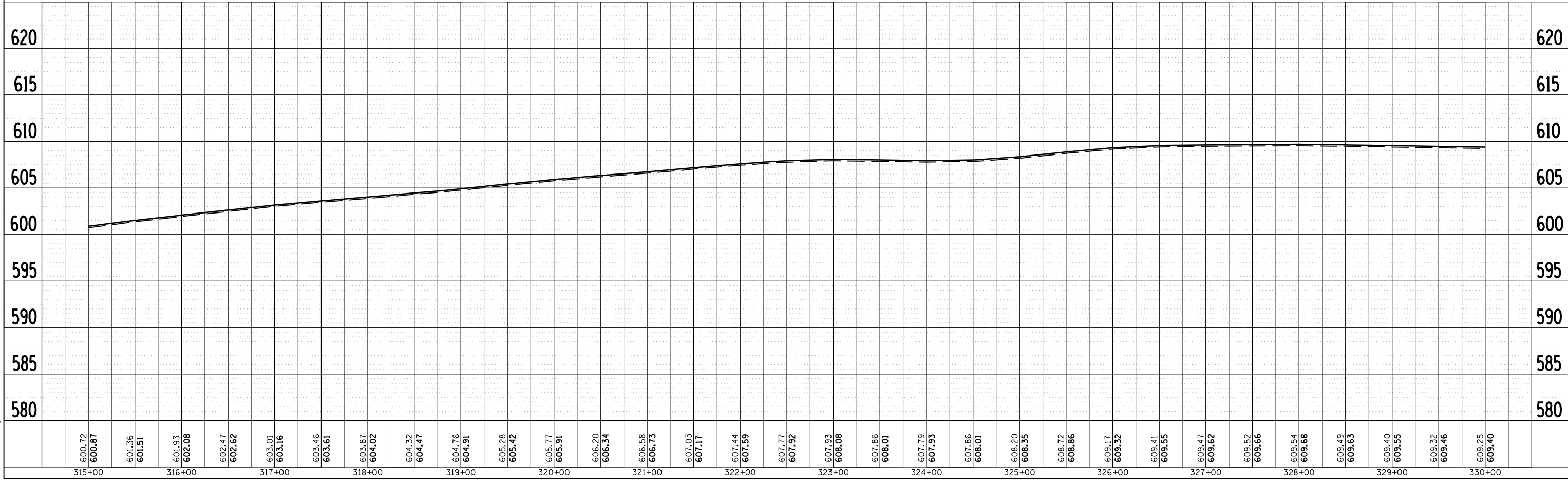
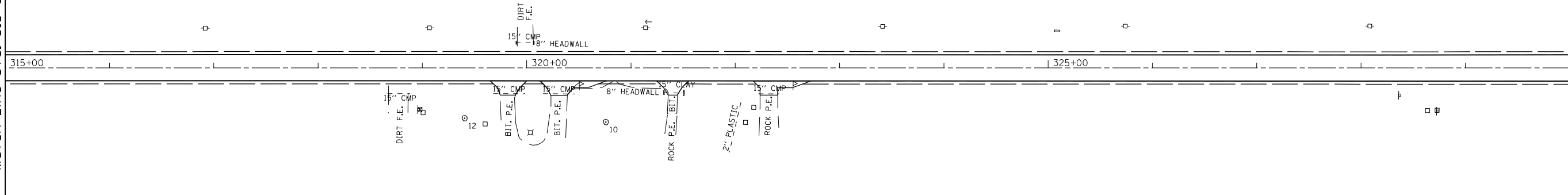
PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
	CHK'D BY _____		
	DATE _____		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
	CHK'D BY _____		
	DATE _____		

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Match Line Sta. 315+00.00

Match Line Sta. 330+00.00

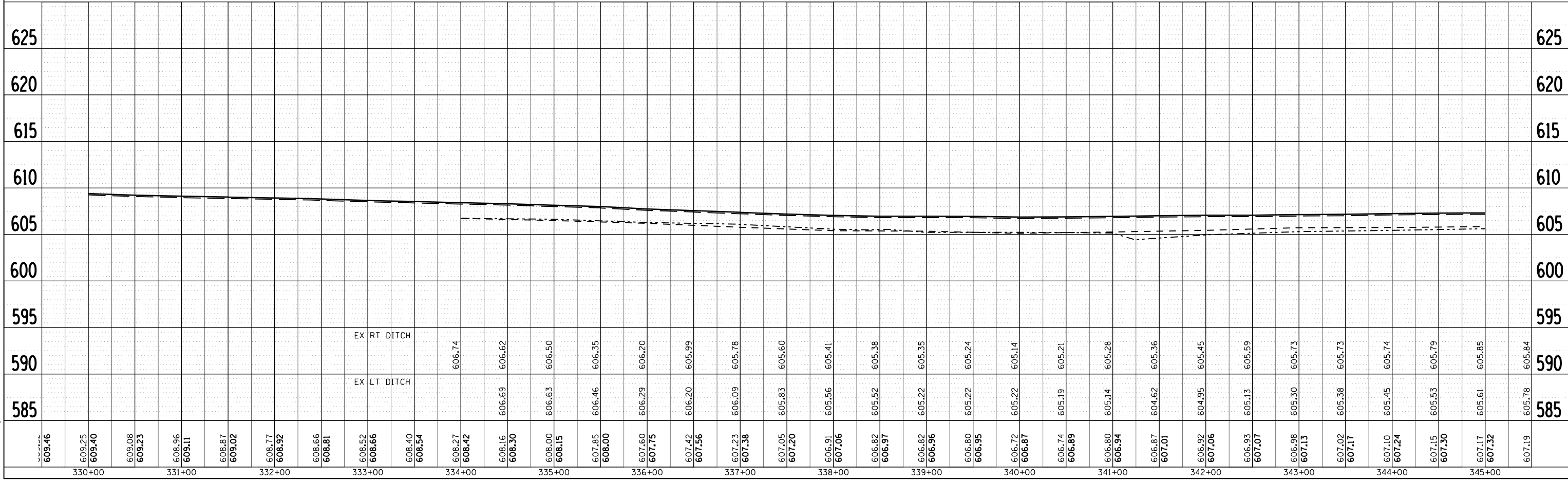
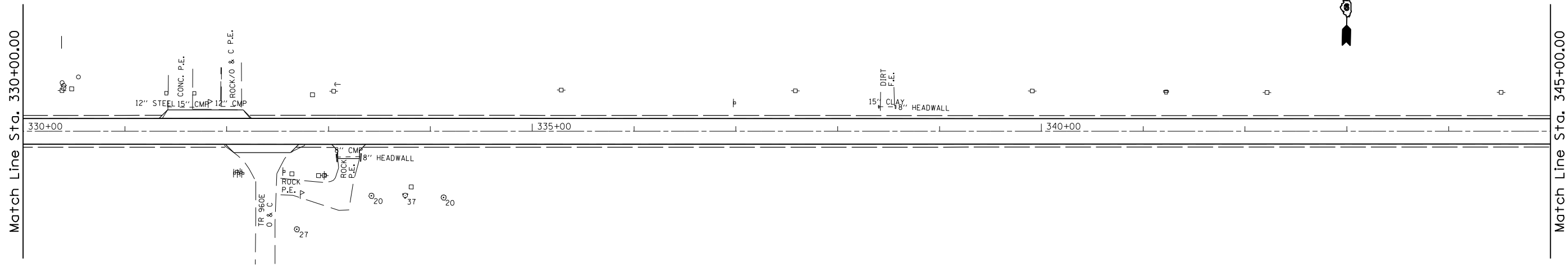


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	50
STA. 330+00.00		TO STA. 345+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
NO. _____	CHKD BY _____		
	DATE _____		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
NO. _____	CHKD BY _____		
	DATE _____		

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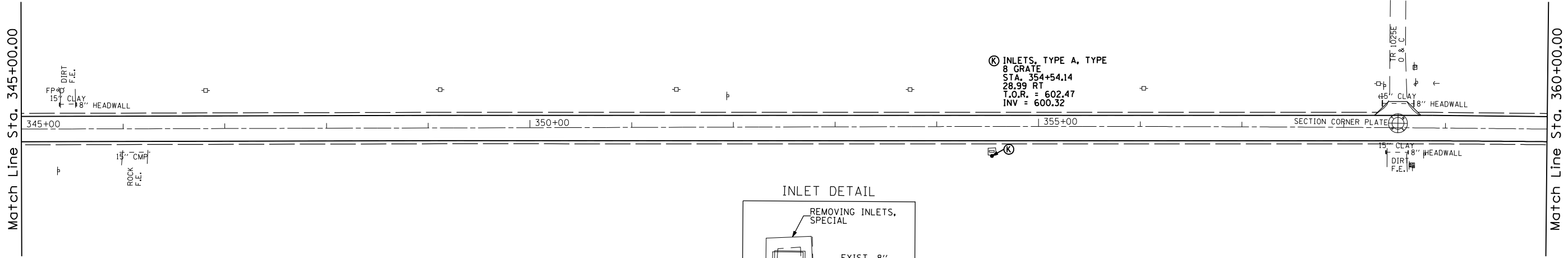
Match Line Sta. 345+00.00

Match Line Sta. 330+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	51
STA. 345+00.00		TO STA. 360+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

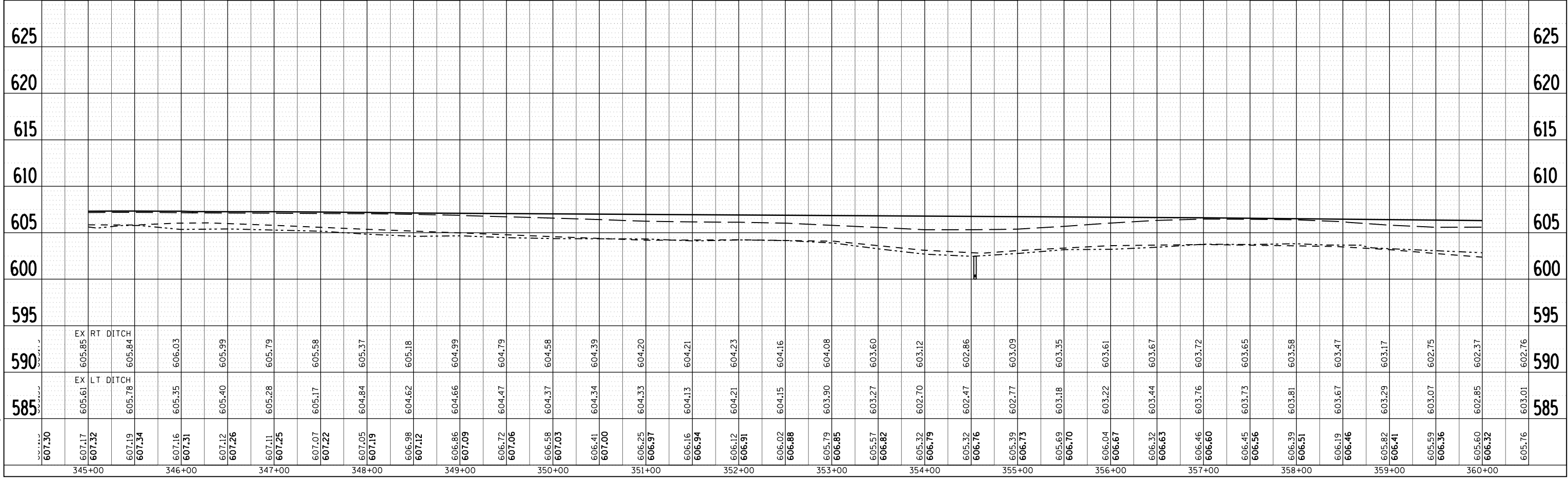


PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHK'D BY		
	DATE		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHK'D BY		
	DATE		

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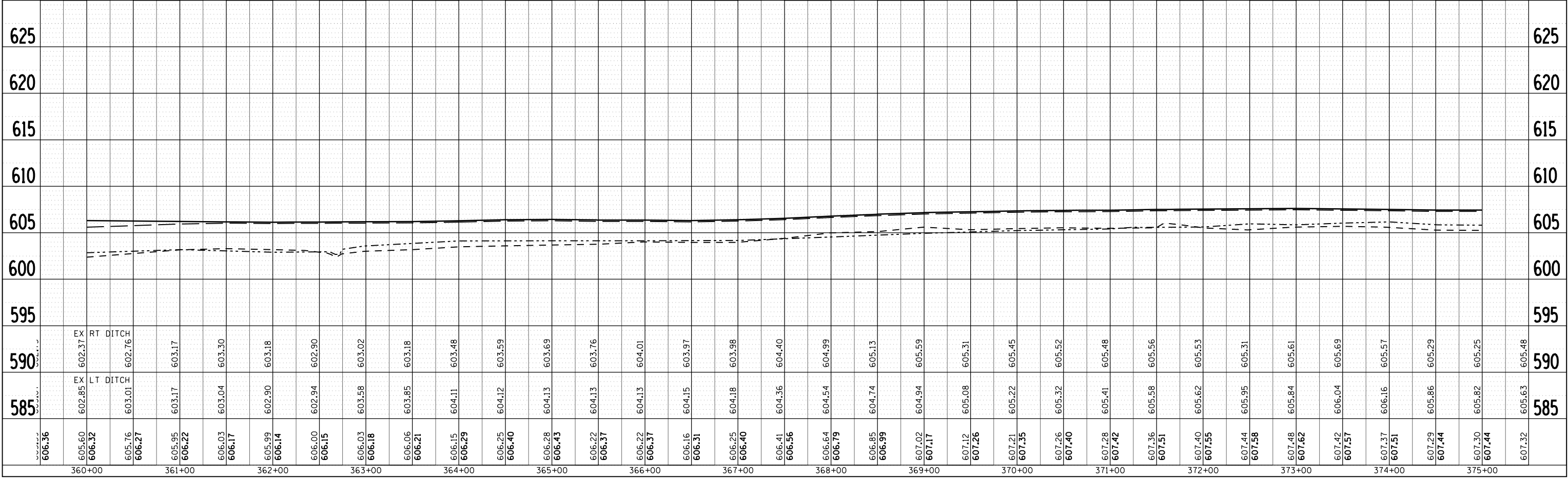
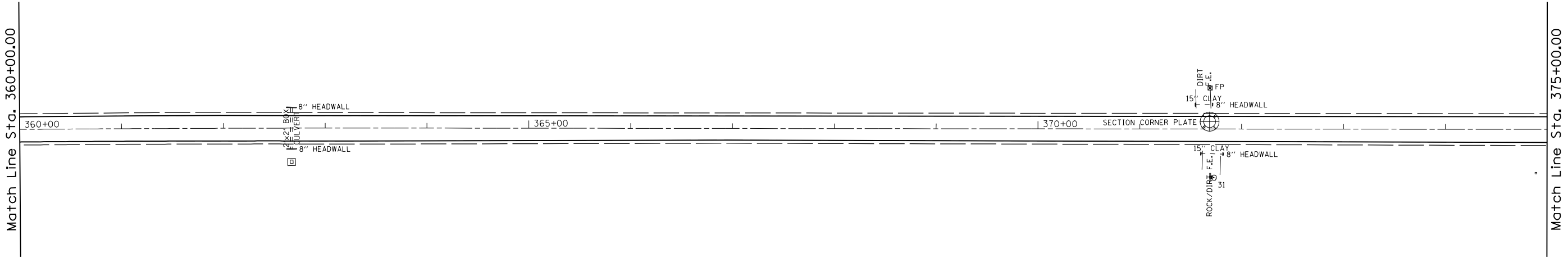


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	52
STA. 360+00.00		TO STA. 375+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHK'D BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHK'D BY		
	DATE		

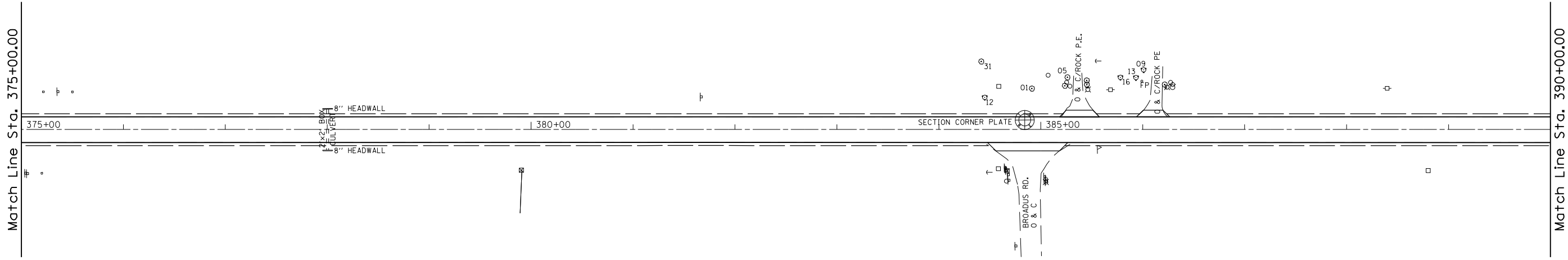
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	53
STA. 375+00.00		TO STA. 390+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

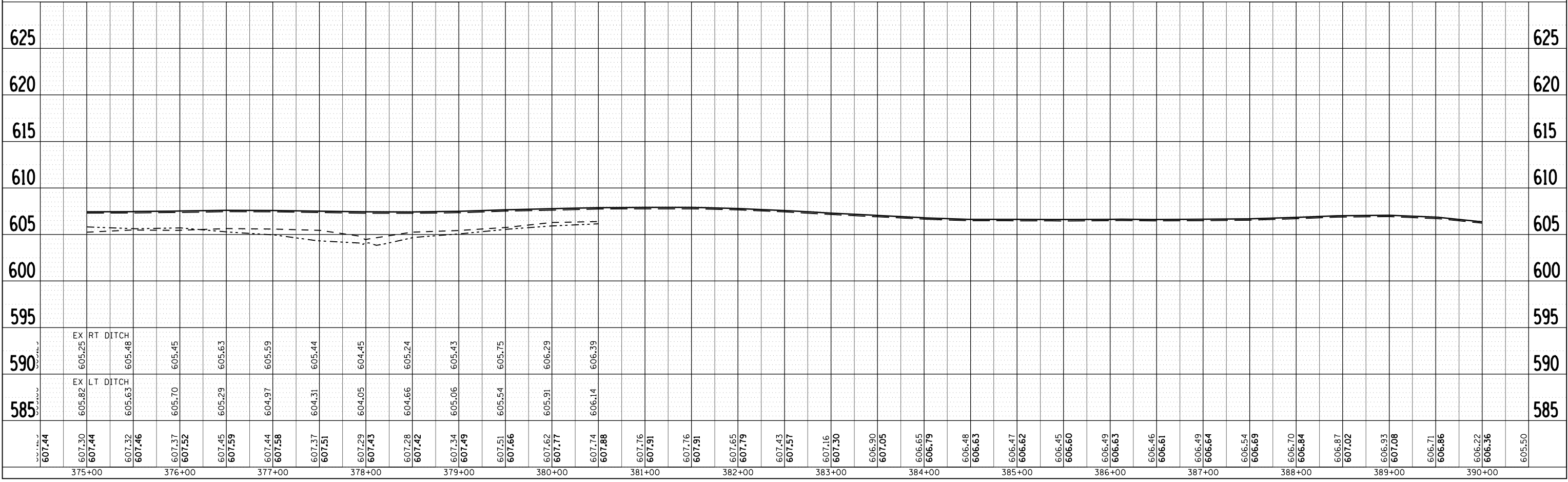


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NOTE BOOK NO. _____	PLOTTED _____		
	PT. OF WAY CHECKED _____		
	CADD FILE NAME _____		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. _____	PLOTTED _____		
	BAW NOTED _____		
	STRUCTURE NOTATIONS CHKD _____		

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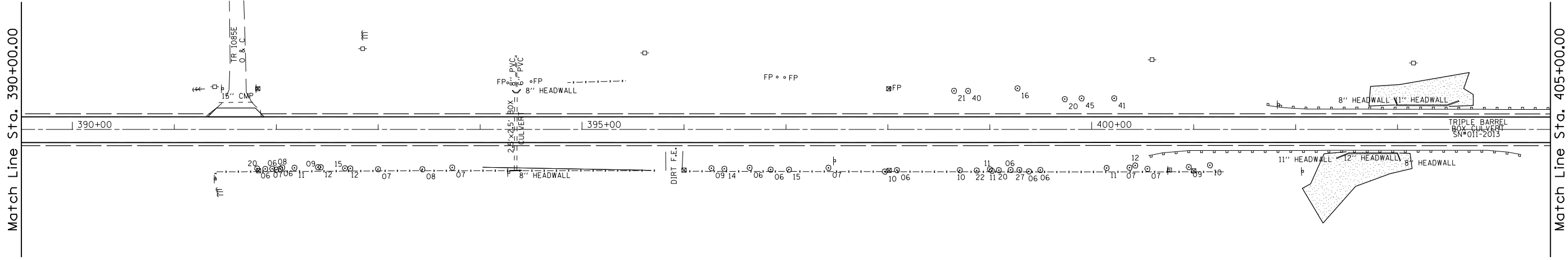
Match Line Sta. 375+00.00

Match Line Sta. 390+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	54
STA. 390+00.00		TO STA. 405+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

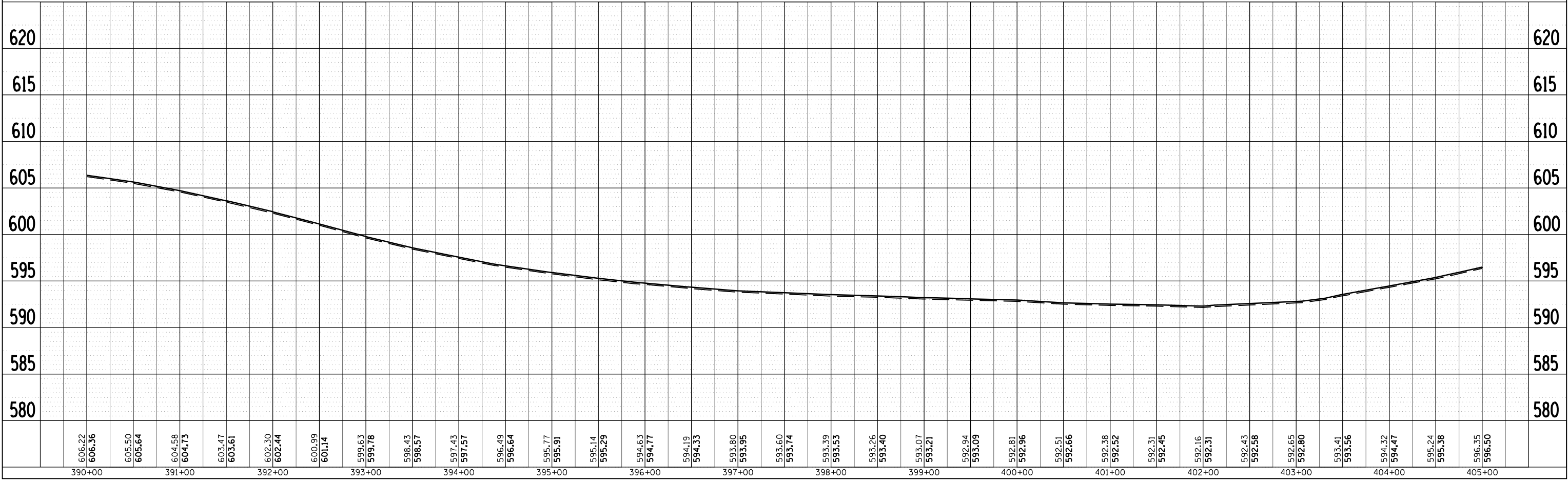


PLAN	SURVEYED	BY	DATE
NOTED	PLOTTED		
NOTE BOOK NO.	FILE NAME		



PROFILE	SURVEYED	BY	DATE
NOTED	PLOTTED		
NOTE BOOK NO.	FILE NAME		

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Match Line Sta. 405+00.00

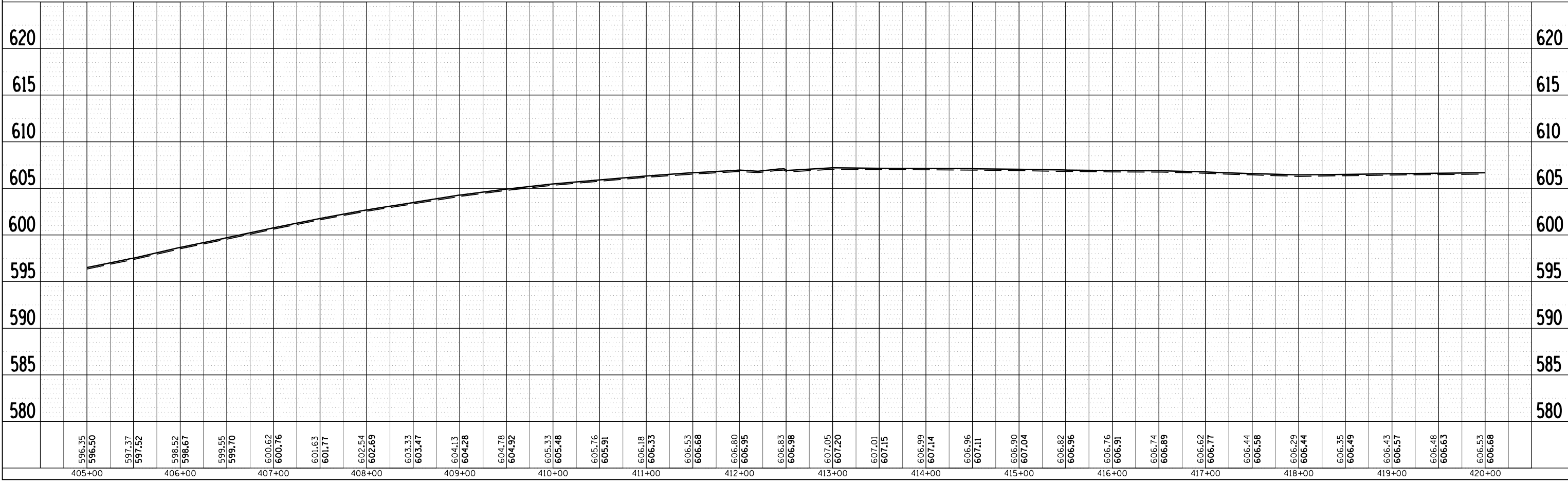
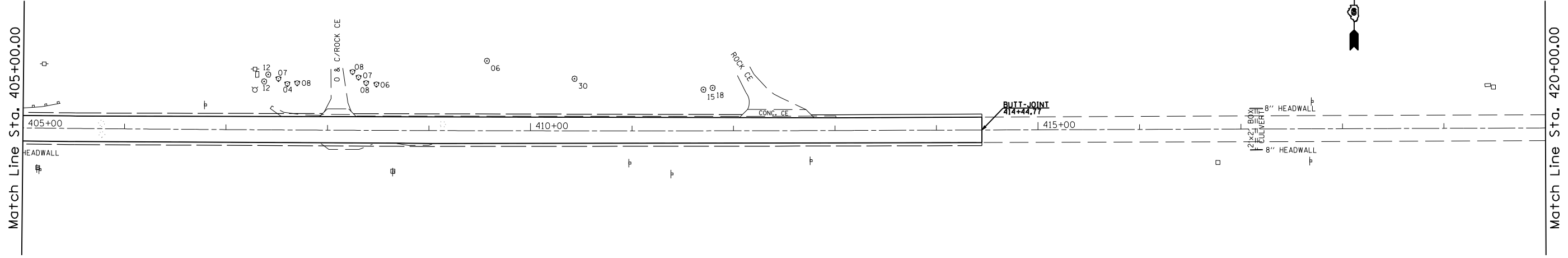
Match Line Sta. 390+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	55
STA. 405+00.00		TO STA. 420+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

PROFILE	SURVEYED	BY	DATE
NOTED			
PLOTTED			
FILED			
DATE			
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NOTE BOOK			
NO.			
STRUCTURE NOTATIONS CRVD			

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Match Line Sta. 420+00.00

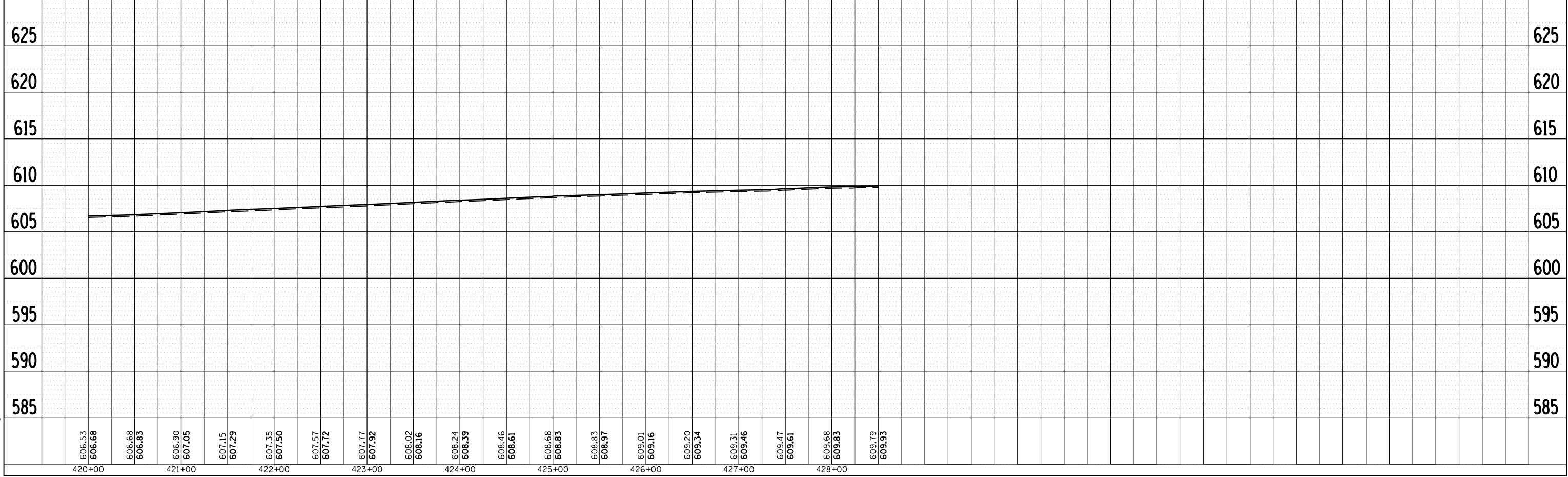
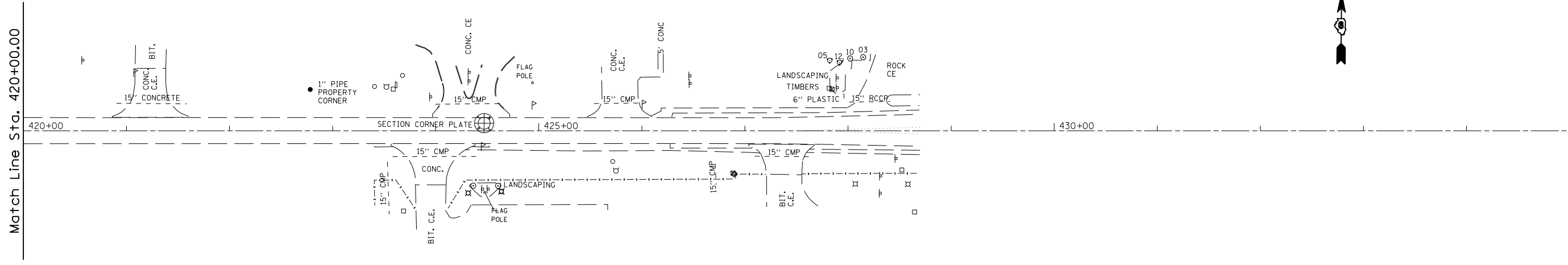
Match Line Sta. 405+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	56
STA. 420+00.00		TO STA. 435+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

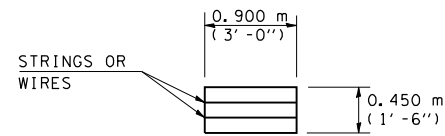
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NOTED	PLOTTED		
NO. _____	FILE NO. _____		

PROFILE	SURVEYED	BY	DATE
NOTED	PLOTTED		
NO. _____	FILE NO. _____		

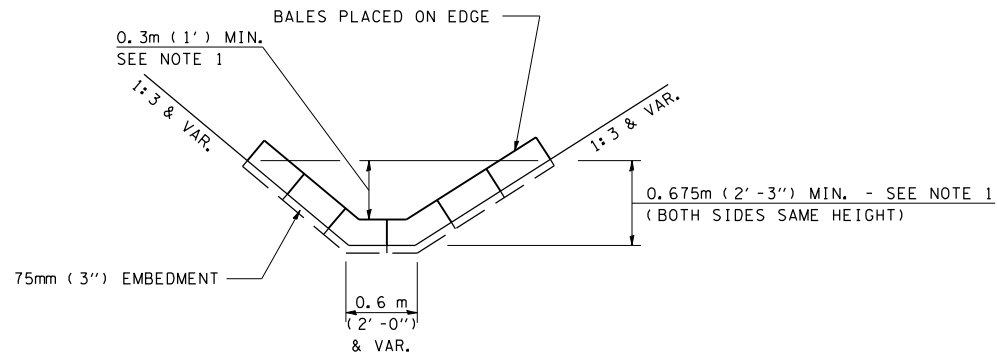
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 USER NAME = laughlin-1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



HAY OR STRAW BALE
(TYPICAL ELEVATION)



HAY OR STRAW BALE TEMPORARY DITCH CHECK
(TYPICAL & SEE GENERAL NOTES FOR SUBSTITUTION TO FLUSH RIPRAP DITCH CHECK)

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

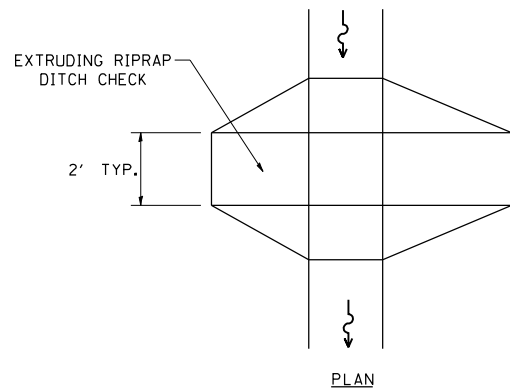
ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]	
TEMPORARY DITCH CHECKS (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
INLET PIPE PROTECTION (I&PP) (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
EROSION CONTROL FENCE	
EARTH EXCAVATION 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:

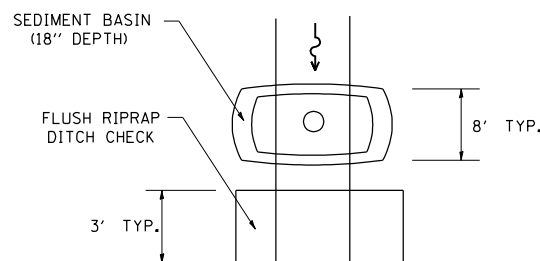
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

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.

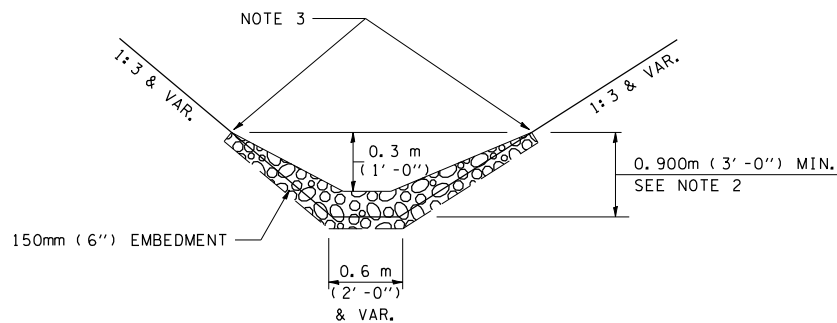
THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.



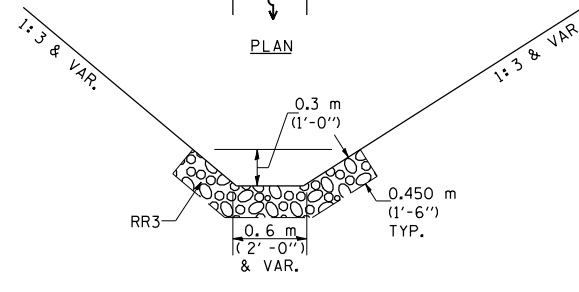
PLAN



PLAN



OPTION 1
(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS W/ RIPRAP DITCH LINING



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.

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 PLOT SCALE = 4:2,3528 / IN.
 USER NAME = laughlin-1

SWPPLAN

REVISIONS	
NAME	DATE
CAD Symbol	2AUG99
JCN	MAR2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

2AUG99

STORM WATER POLLUTION PREVENTION PLAN

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

DRAWN BY CADD
CHECKED BY JCN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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 erodible 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 erodible 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 undesirable 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 erodible 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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	60
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 753 Marked: IL 104
 Section: 143RS-6 Project No.: _____
 County: Christian County Contract No.: 72624

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.

PLOT DATE : Dec-12-2007 10:56:00AM
 FILE NAME : c:\projects\ed53581\shd\delcont1.sudgn
 PLOT SCALE : 4.2,3528 / IN.
 USER NAME : laughlin-1

SWPPLAN

REVISIONS	
NAME	DATE

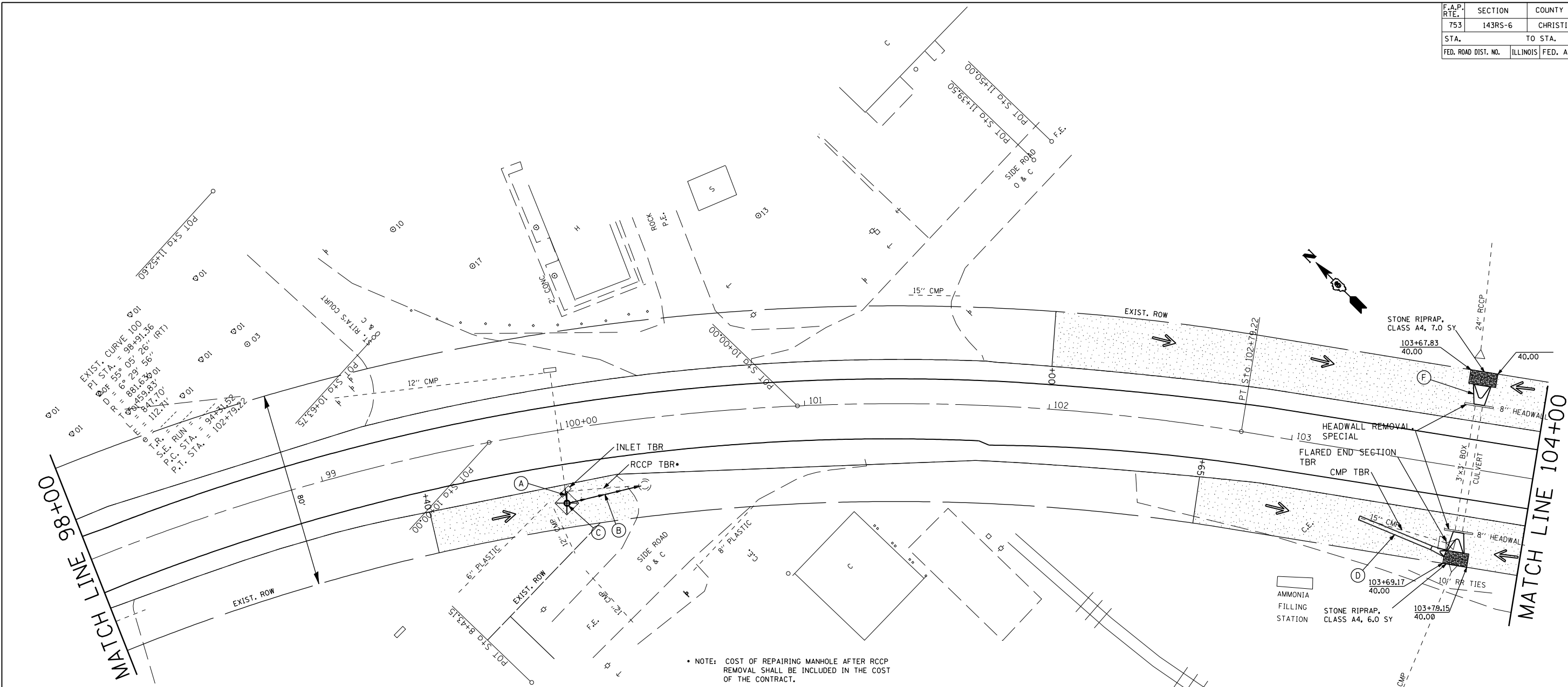
ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

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

DRAWN BY CADD
 CHECKED BY JCN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	61
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



• NOTE: COST OF REPAIRING MANHOLE AFTER RCCP REMOVAL SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

- (A) STORM SEWER, CLASS B, TYPE 1, 12", 5.1' U.S. STA. 99+97.64 24.12' RT (+/-) \bar{H} = MATCH EXISTING 12" RCCP D.S. STA. 99+97.53 29.26' D.S. \bar{H} = 595.45
- (B) STORM SEWER, CLASS B, TYPE 1, 12", 30.5' U.S. STA. 99+98.17 30.05' RT (+/-) \bar{H} = 595.45 D.S. STA. 100+29.54 27.24' D.S. \bar{H} = 595.00
- (C) INLETS, TYPE A, TYPE 8 GRATE STA. 99+97.51 30.00' RT T.O.R. ELEV. = 597.10 INV. ELEV. = 595.45
- (D) STORM SEWER, CLASS B, TYPE 1 15", 32.0' PRECAST REINFORCED FLARED END SECTIONS, 15" U.S. STA. 103+32.4 26.8' RT U.S. \bar{H} = MATCH EXISTING PIPE D.S. STA. 103+69.5 35.9' RT D.S. \bar{H} = 591.71
- (E) PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 42" U.S. STA. 103+73.5 34.5' RT U.S. \bar{H} = 591.71 D.S. STA. 103+73.5 35.9' RT D.S. \bar{H} = MATCH EXISTING BOX \bar{H} GRATING FOR CONCRETE FLARED END SECTION, 42"
- (F) U.S. STA. 103+73.5 34.5' RT D.S. STA. 103+73.5 34.5' RT D.S. \bar{H} = 591.53 END SECTION, 42"

REVISIONS	
NAME	DATE

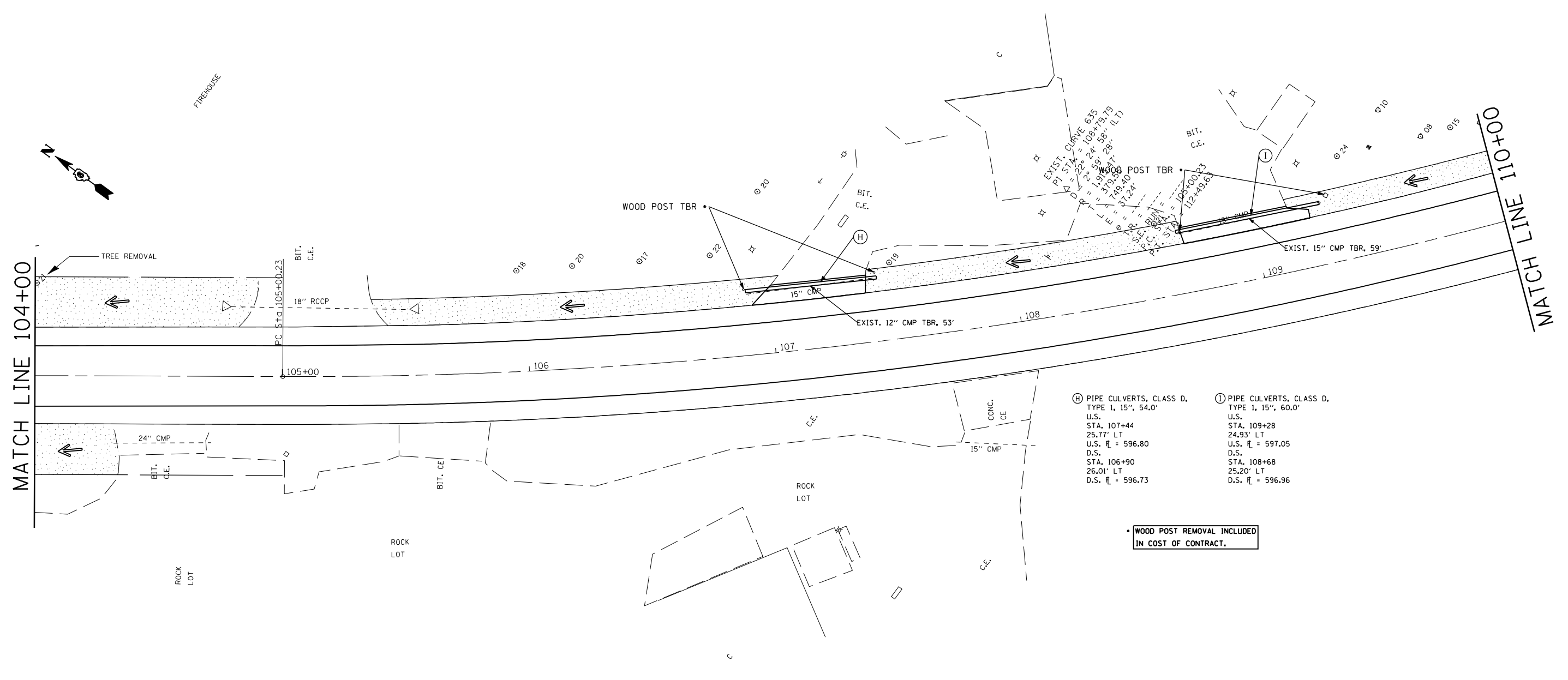
ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	62
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- Ⓗ PIPE CULVERTS, CLASS D.
TYPE 1, 15", 54.0'
U.S.
STA. 107+44
25.77' LT
U.S. \bar{r} = 596.80
D.S.
STA. 106+90
26.01' LT
D.S. \bar{r} = 596.73
- Ⓘ PIPE CULVERTS, CLASS D.
TYPE 1, 15", 60.0'
U.S.
STA. 109+28
24.93' LT
U.S. \bar{r} = 597.05
D.S.
STA. 108+68
25.20' LT
D.S. \bar{r} = 596.96

• WOOD POST REMOVAL INCLUDED
IN COST OF CONTRACT.

REVISIONS	
NAME	DATE

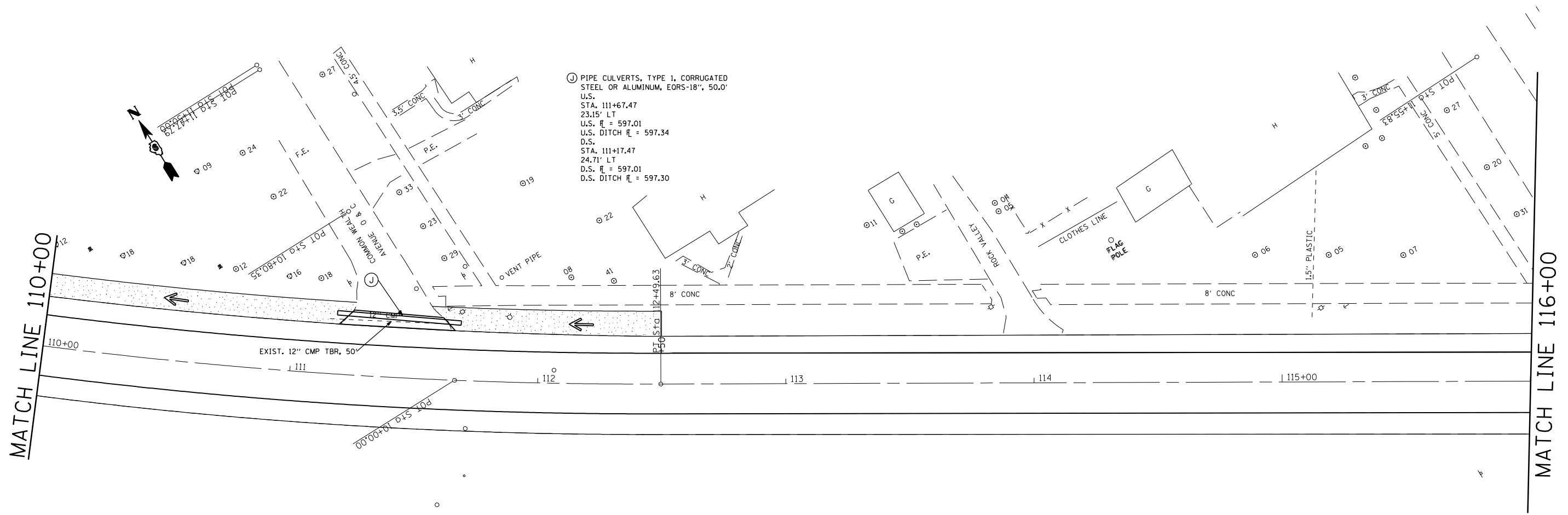
ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	63
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



(C) PIPE CULVERTS, TYPE 1, CORRUGATED
 STEEL OR ALUMINUM, EORS-18", 50.0'
 U.S.
 STA. 111+67.47
 23.15' LT
 U.S. ℓ = 597.01
 U.S. DITCH ℓ = 597.34
 D.S.
 STA. 111+17.47
 24.71' LT
 D.S. ℓ = 597.01
 D.S. DITCH ℓ = 597.30

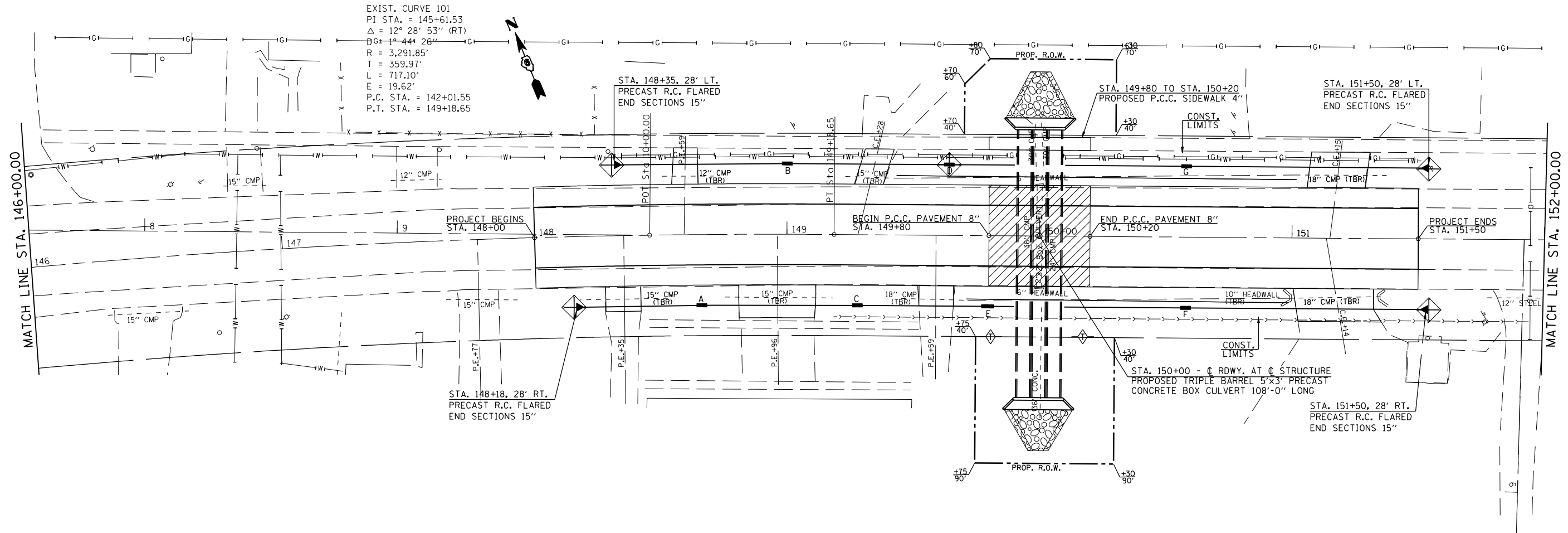
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	64
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXIST. CURVE 101
 PI STA. = 145+61.53
 $\Delta = 12^\circ 28' 53''$ (RT)
 $BC = 1^\circ 44' 28''$
 $R = 3,291.85'$
 $T = 359.97'$
 $L = 717.10'$
 $E = 19.62'$
 P.C. STA. = 142+01.55
 P.T. STA. = 149+18.65



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 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

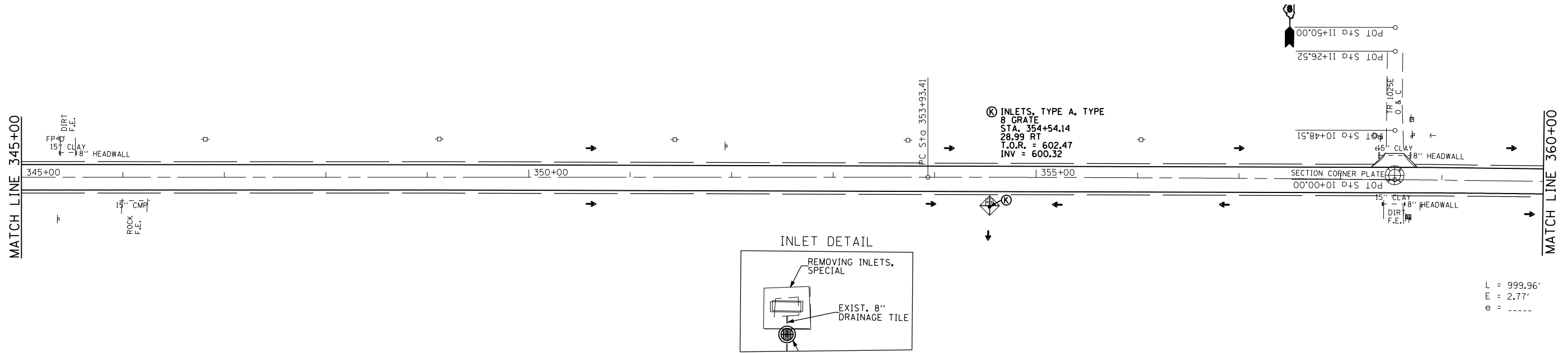
ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

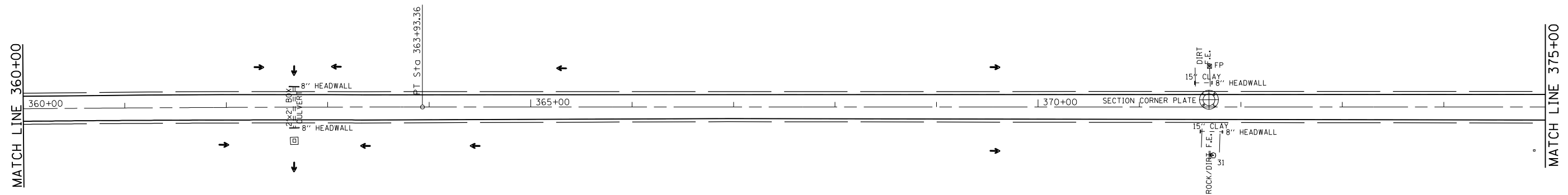
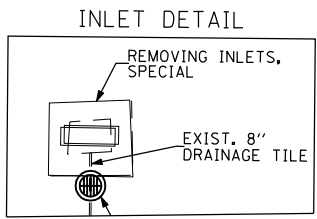
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DRAWN BY / CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	65
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



L = 999.96'
E = 2.77'
e = -----



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

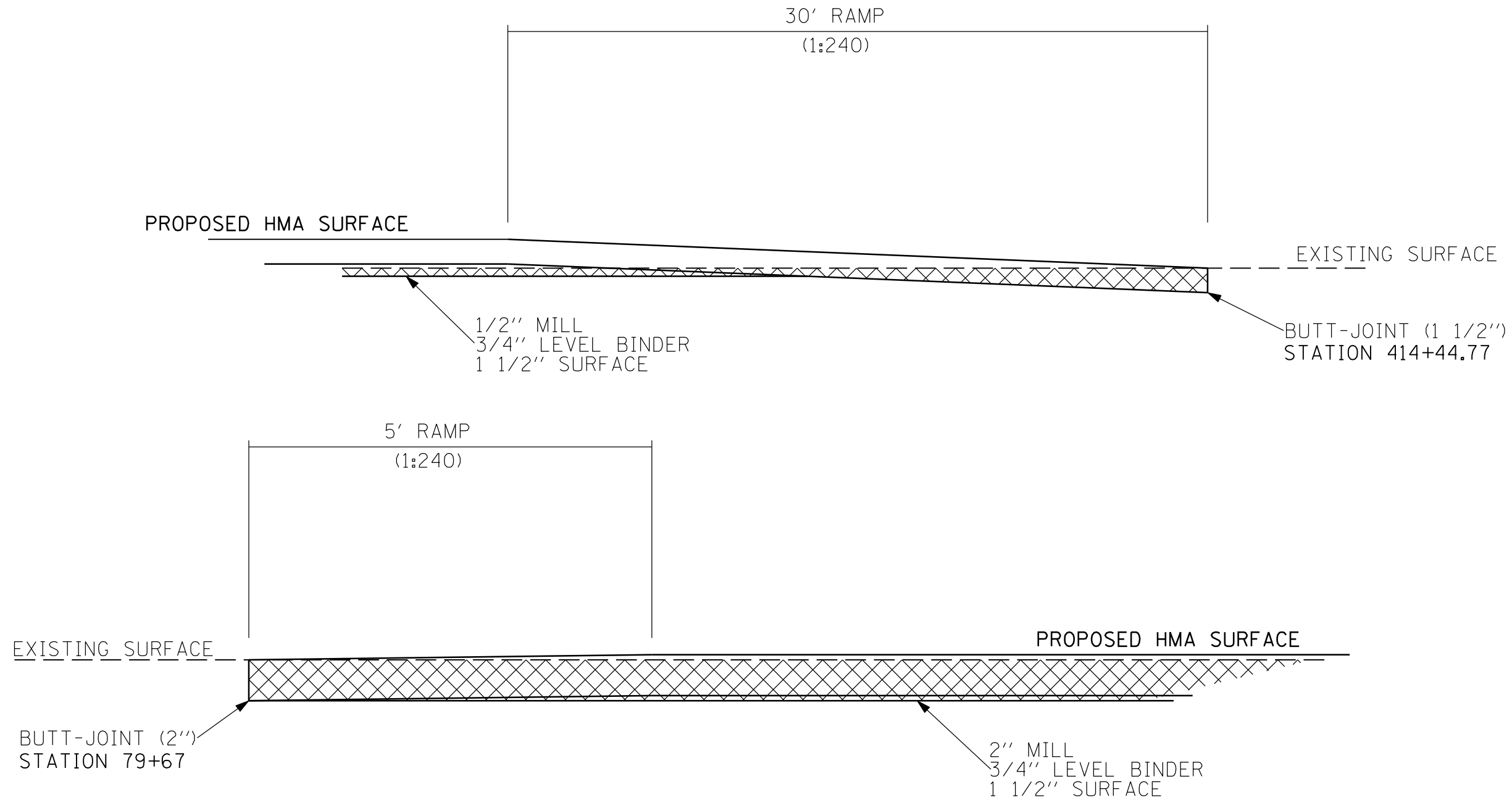
STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	66
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MAINLINE LOCATIONS



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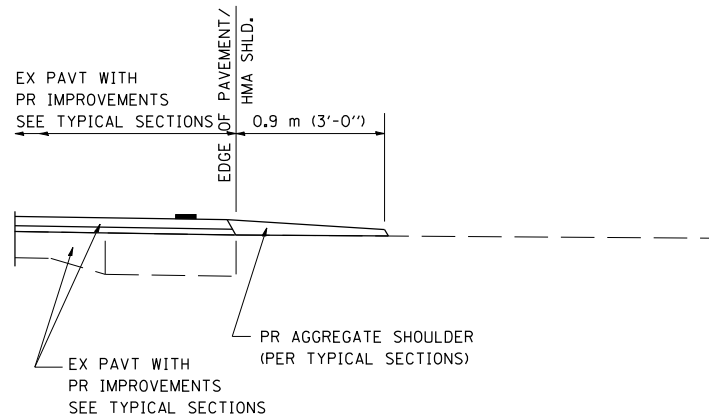
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

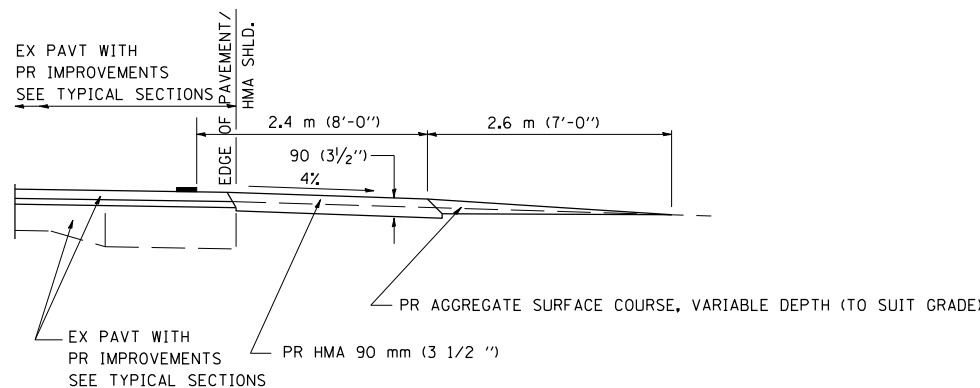
BUTT-JOINT DETAIL

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

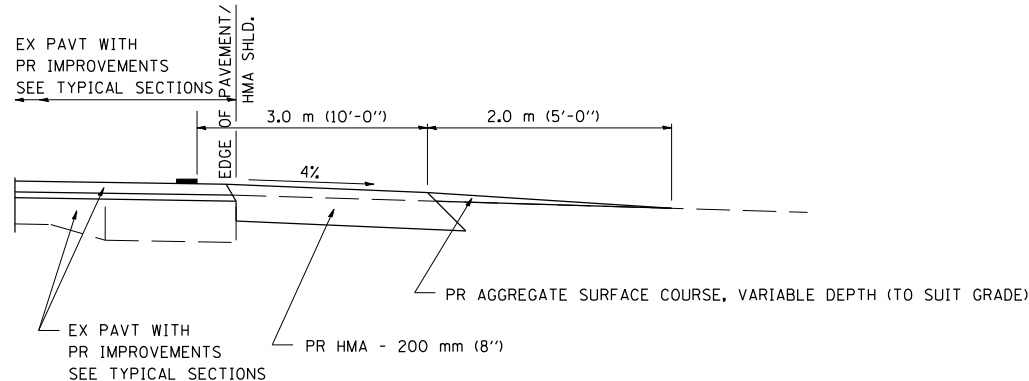
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	67
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



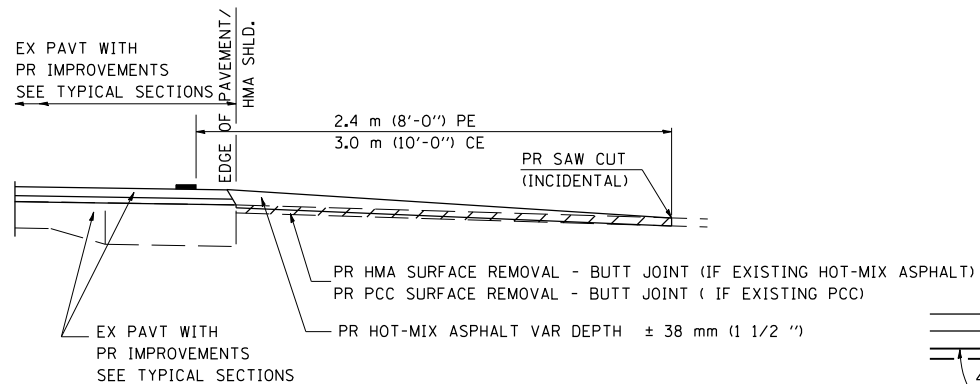
SECTION A-A FOR EX EARTH/AGGREGATE FE



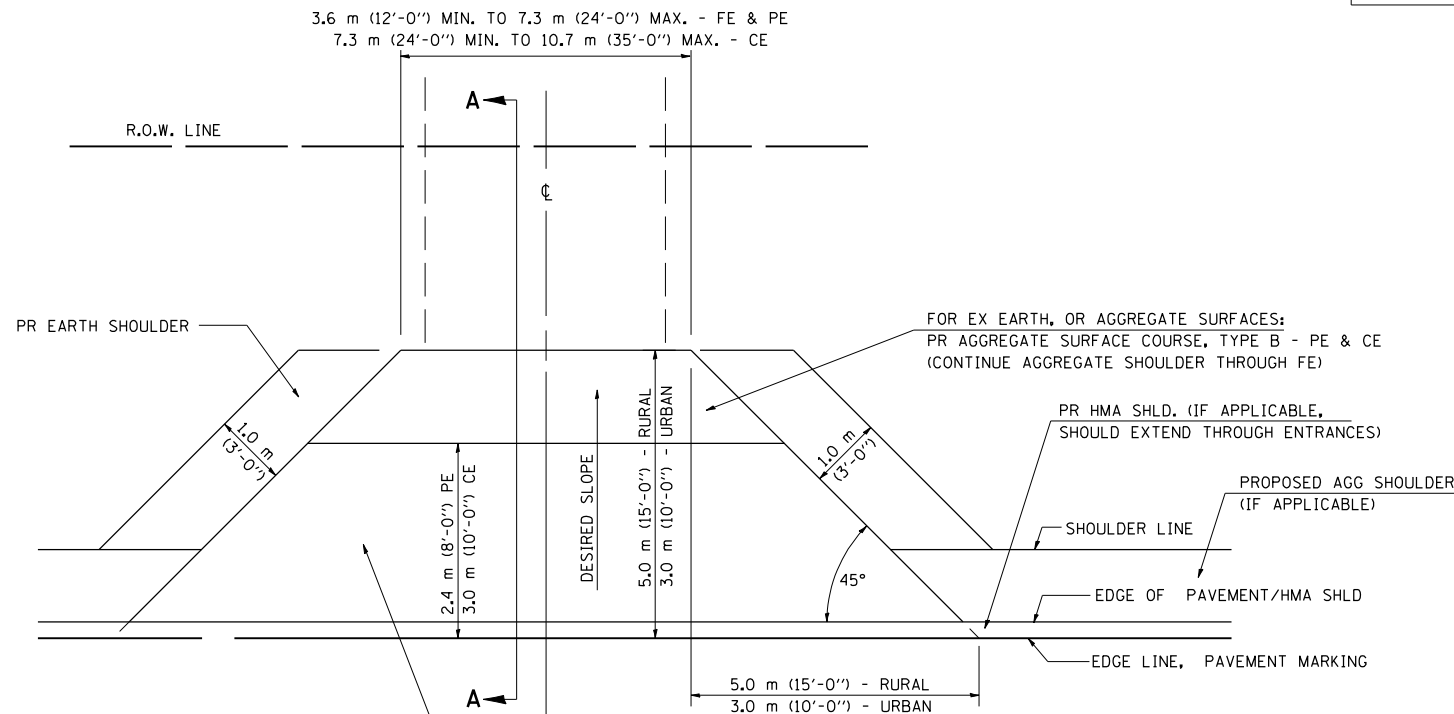
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX HOT-MIX ASPHALT/PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR HMA SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR HOT-MIX ASPHALT 90 mm (3 1/2 ") - PE
 PR HOT-MIX ASPHALT 200mm (8") - CE

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

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.

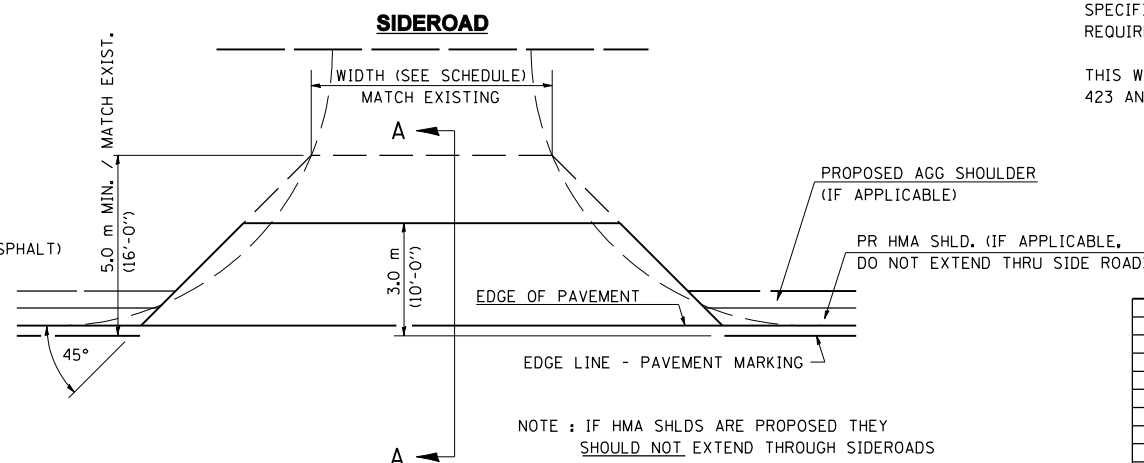
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HOT-MIX ASPHALT 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 HOT-MIX ASPHALT 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 HOT-MIX ASPHALT BASE COURSE IN APPLICABLE PORTIONS OF SECTION 355 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT SURFACE COURSE.

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.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

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

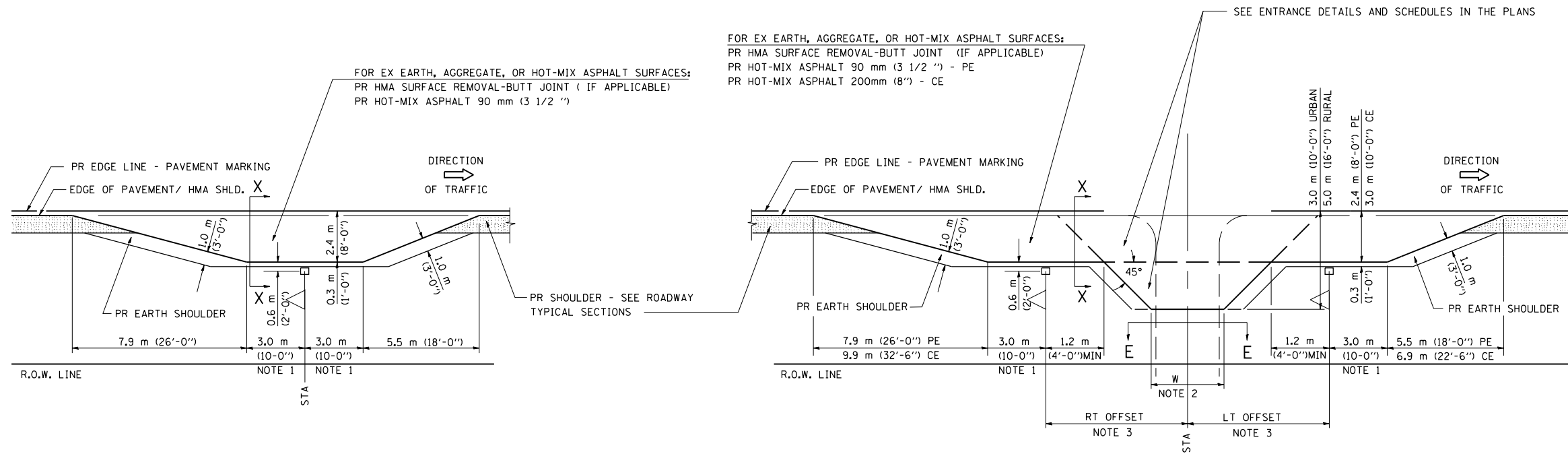
SHEET 1 OF 2
 ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL / URBAN
ENTRANCE, MAILBOX TURNOUT
& SIDEROADS
W / O CONCRETE GUTTER
(PPP - PROJECTS)

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

PLOT DATE = Dec-12-2007 18:56:02AM
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 USER NAME = laughlin-1

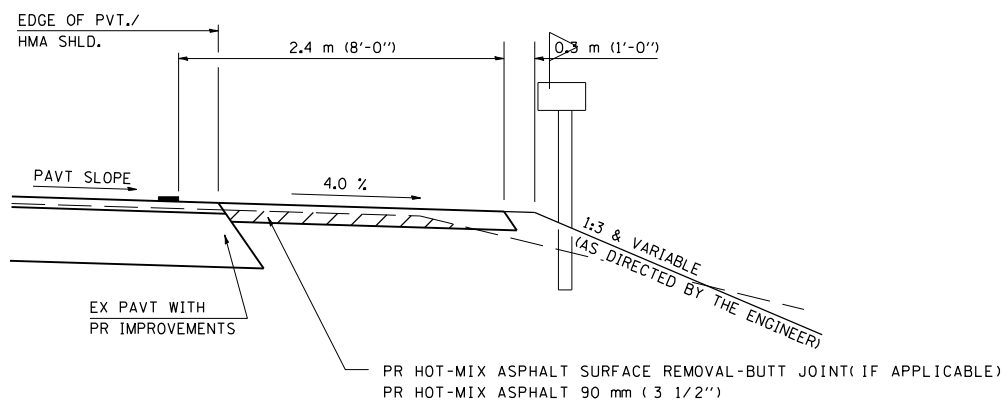
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	68
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF MAILBOX TURNOUTS



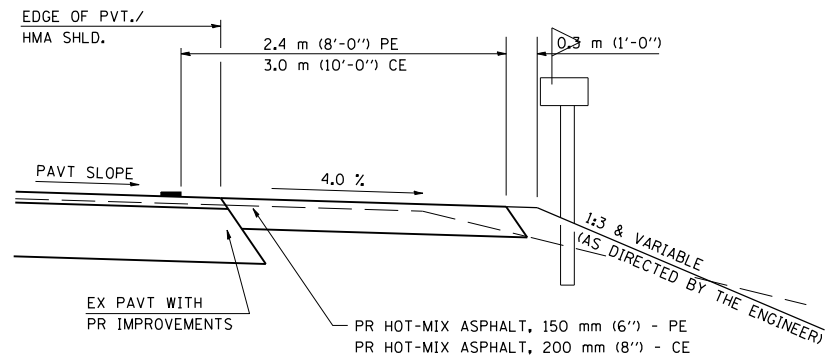
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR HOT-MIX ASPHALT PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX HOT-MIX ASPHALT & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

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

SHEET 2 OF 2

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL / URBAN
ENTRANCE, MAILBOX TURNOUT
& SIDEROADS
W / O CONCRETE GUTTER
(PPP - PROJECTS)

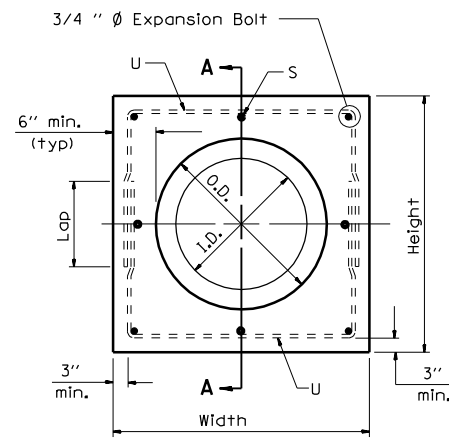
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HORIZ.
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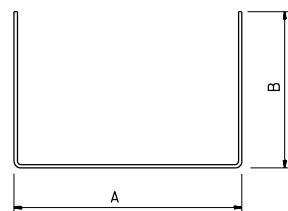
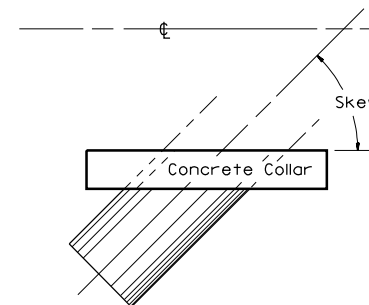
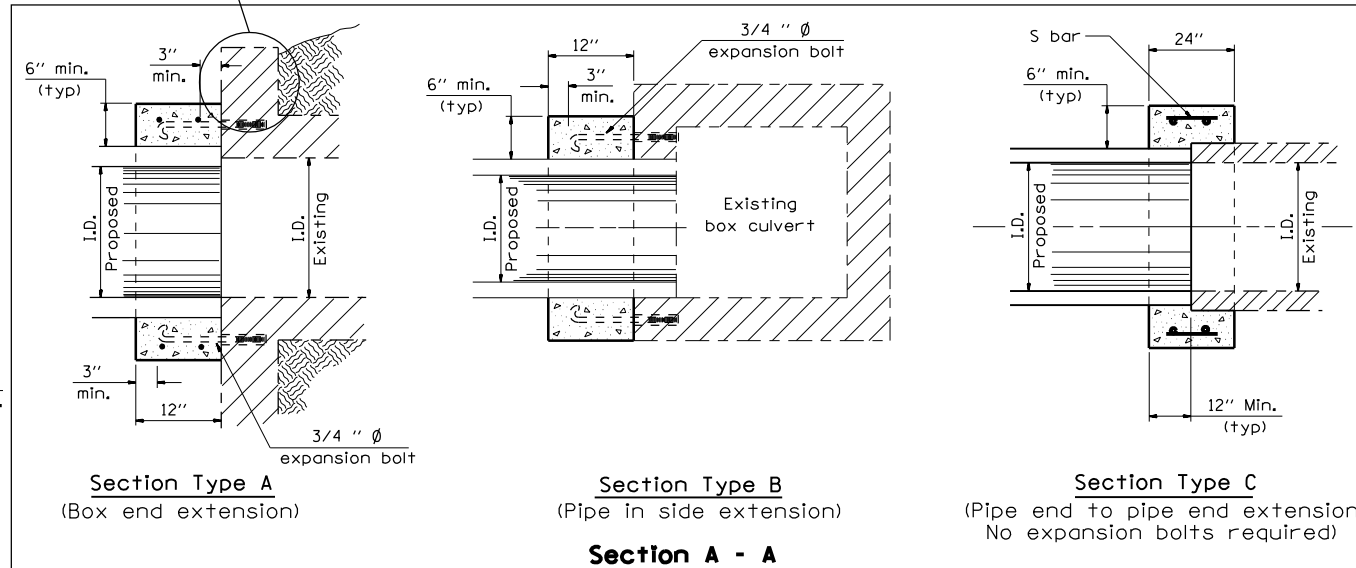
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 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

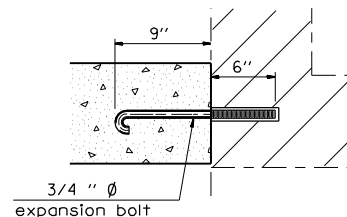
SEE SHEET 2 OF 2 FOR CONCRETE HEADWALL REMOVAL SPECIAL



PIPE CULVERT EXTENSION COLLAR



#4 U - bar

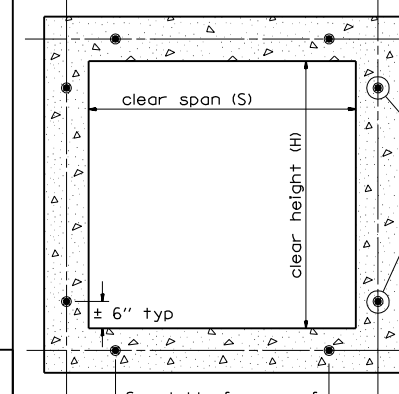


Expansion Bolt Detail

Notes:

- Expansion bolts shall consist of self drilling expansion shields and 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete. Minimum Certified Proof Load - 4,080 lbs.
- Use minimum of 1 (one) expansion bolt at each corner.

BOX CULVERT POURED IN PLACE EXTENSION



Section Thru Barrel

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS

H or S	No. Expansion Bolts Req'd. Per Side			
	Extension ≤ 15ft		Extension > 15ft	
	No.	Spacing	No.	Spacing
24"	*	*	*	*
30"	2	18"	2	18"
36"	2	24"	2	24"
48"	3	18"	3	18"
60"	4	16"	3	24"
72"	5	15"	4	20"
84"	5	18"	4	24"
96"	6	17"	5	21"
108"	6	19"	5	24"
120"	7	18"	6	21"
132"	8	17"	6	24"
144"	8	19"	7	22"

Note: Number of expansion bolts in table based on non-skewed culverts.

* Use minimum 1 (one) expansion bolt in each corner.

Station	Section Type	Skew	Existing Culvert		Proposed Culvert		Collar		Reinforcement Bars						Expansion Bolts 3/4 "	Class S1 Concrete Collar			
			Size	I.D.	O.D.	Height	Width	S bar	U bar					lb					
									No.	Size	Length	No.	Size	A	B	Lap	Length	lb	
103+70 RT	A	0	3' x 3'	42"	51"	63"	63"		4	0.5"	57"	38"	19"	95"	10.6	8	0.5		
103+70 LT	A	0	3' x 3'	42"	51"	63"	63"		4	0.5"	57"	38"	19"	95"	10.5	8	0.5		
Total																	21.2	16	1.0

REVISIONS	
NAME	DATE

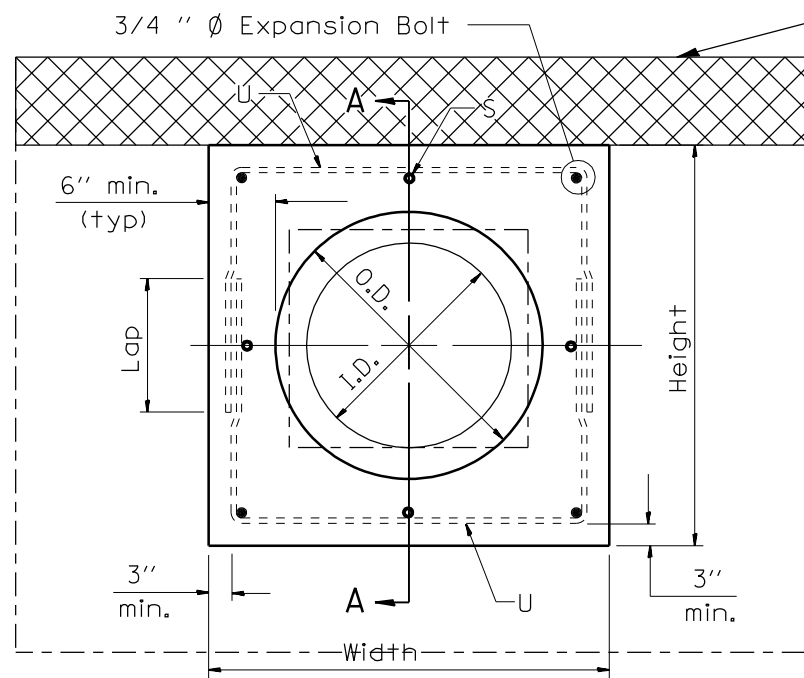
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 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	70
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

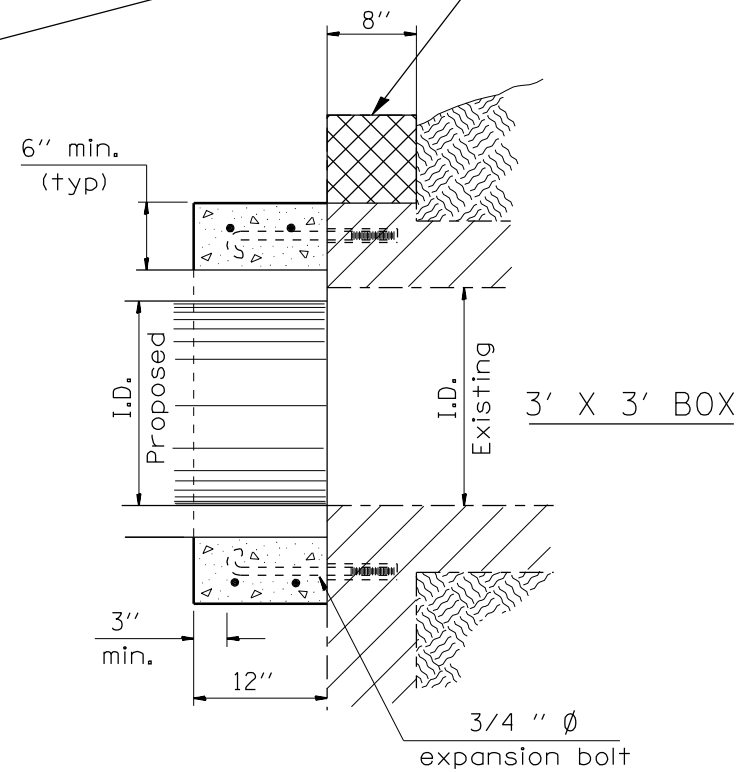
CONCRETE HEADWALL REMOVAL SPECIAL

STA. 103+73.5 LT & RT

PORTION OF HEADWALL TO BE REMOVED.
(SAW CUT INCLUDED IN COST OF PAYITEM)



PIPE CULVERT EXTENSION COLLAR



Section Type A
(Box end extension)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**CONCRETE COLLAR AND
CULVERT EXTENSION DETAILS**

SCALE: VERT.
HORIZ.
DATE: OCTOBER 6, 1999

DRAWN BY CADD
CHECKED BY RLD

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 USER NAME = laughlin-1

COLLAR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	71
STA. 148+00 TO STA. 151+50				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

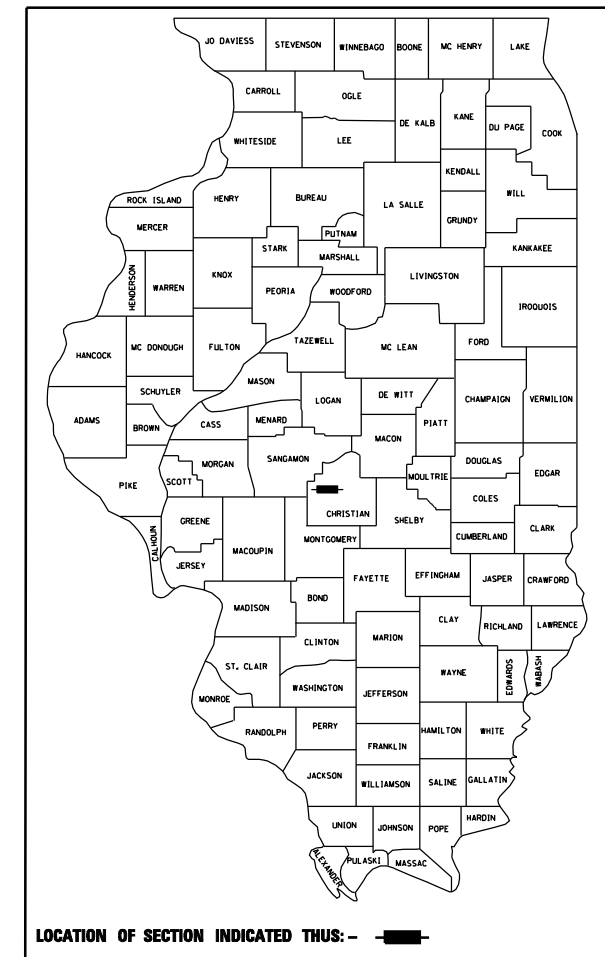
1	TITLE SHEET
2	GENERAL NOTES, MIXTURE REQUIREMENTS
3	SUMMARY OF QUANTITIES
4 - 5	DETAILS & TYPICAL ROADWAY SECTIONS
6	SCHEDULE OF QUANTITIES
7 - 8	PLAN & PROFILE
9 - 11	STAGE CONSTRUCTION TRAFFIC DETAILS
12 - 17	STRUCTURE PLANS
18 - 27	CROSS SECTIONS
	STANDARDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAP 753 (IL 104)
SECTION 143RS-6
PROJECT
CHRISTIAN COUNTY

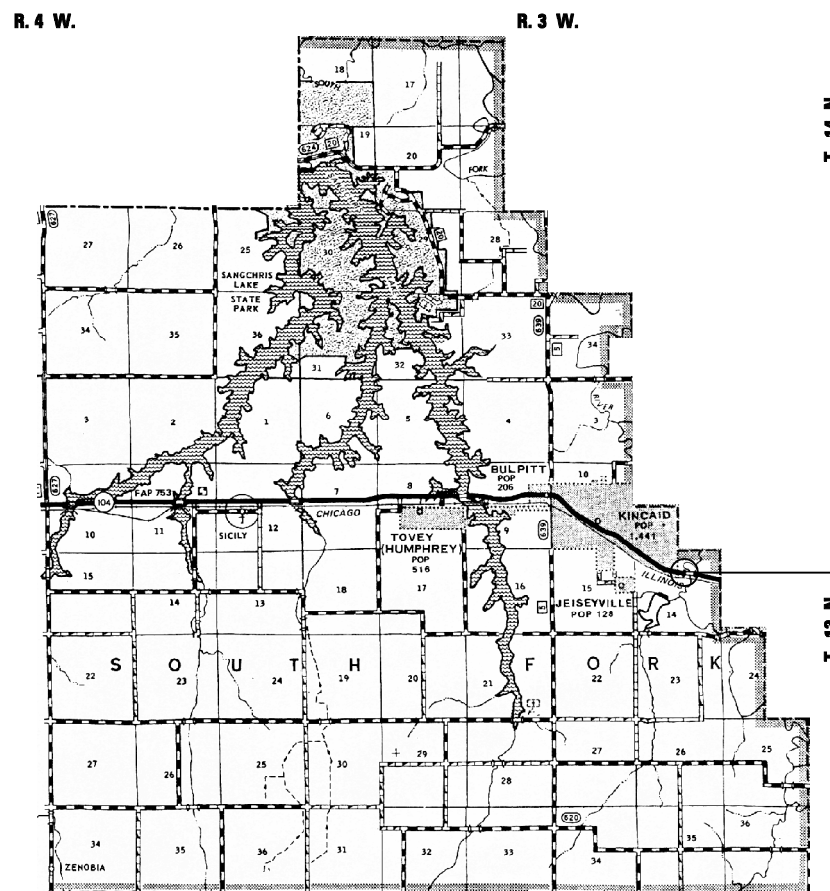
C - - -

D-96-535-01



LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-04	602601-01
001001-01	604036-01
001006	701006-02
280001-03	701011-01
420601-04	701301-02
420701-01	701311-02
482001-01	702001-06
482006-02	704001-03
515001-02	780001-01
542301-01	781001-02
602306-01	

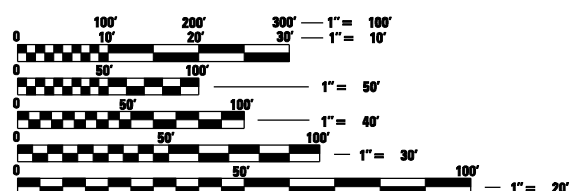


PROPOSED PROJECT BEGINS
-STA. 148 + 00

PROPOSED PRECAST CONCRETE
TRIPLE BARREL BOX CULVERT (5'-0" x 3'-0")
OVER TRIBUTARY TO SOUTH FORK OF
THE SANGAMON RIVER
S.N. 011-7056
± -STA. 150 + 00

PROPOSED PROJECT ENDS
-STA. 151 + 50

ADT = 4600 (2005)
% SU = 3.0 (2005)
% MU = 3.0 (2005)
TOWNSHIP: SOUTH FORK
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
(NON-URBAN)

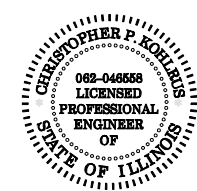
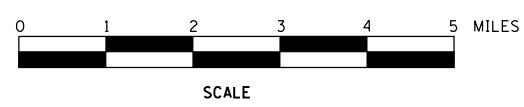


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

LOCATION MAP

NET LENGTH OF PROJECT = 350.00 FEET = 0.066 MILES



EXPIRATION DATE: 11/30/07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

DEPUTY DIRECTOR OF HIGHWAYS REGION FOUR

 20 _____

ENGINEER OF DESIGN AND ENVIRONMENT

 20 _____

DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
 SQUAD LEADER: TODD JOHNSON (217) 524-0472

CONTRACT NO. 72624

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	72
STA. 148+00 TO STA. 151+50				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				
SHEET 2 OF 26				

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS, (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

GENERAL NOTES

- 1.) THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDDED AS SOON AS POSSIBLE.
- 5.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1/2" UNLESS UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- 6.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 7.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED 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 INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 9.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 10.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR 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 SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 11.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 13.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 14.) THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 217-785-5312)

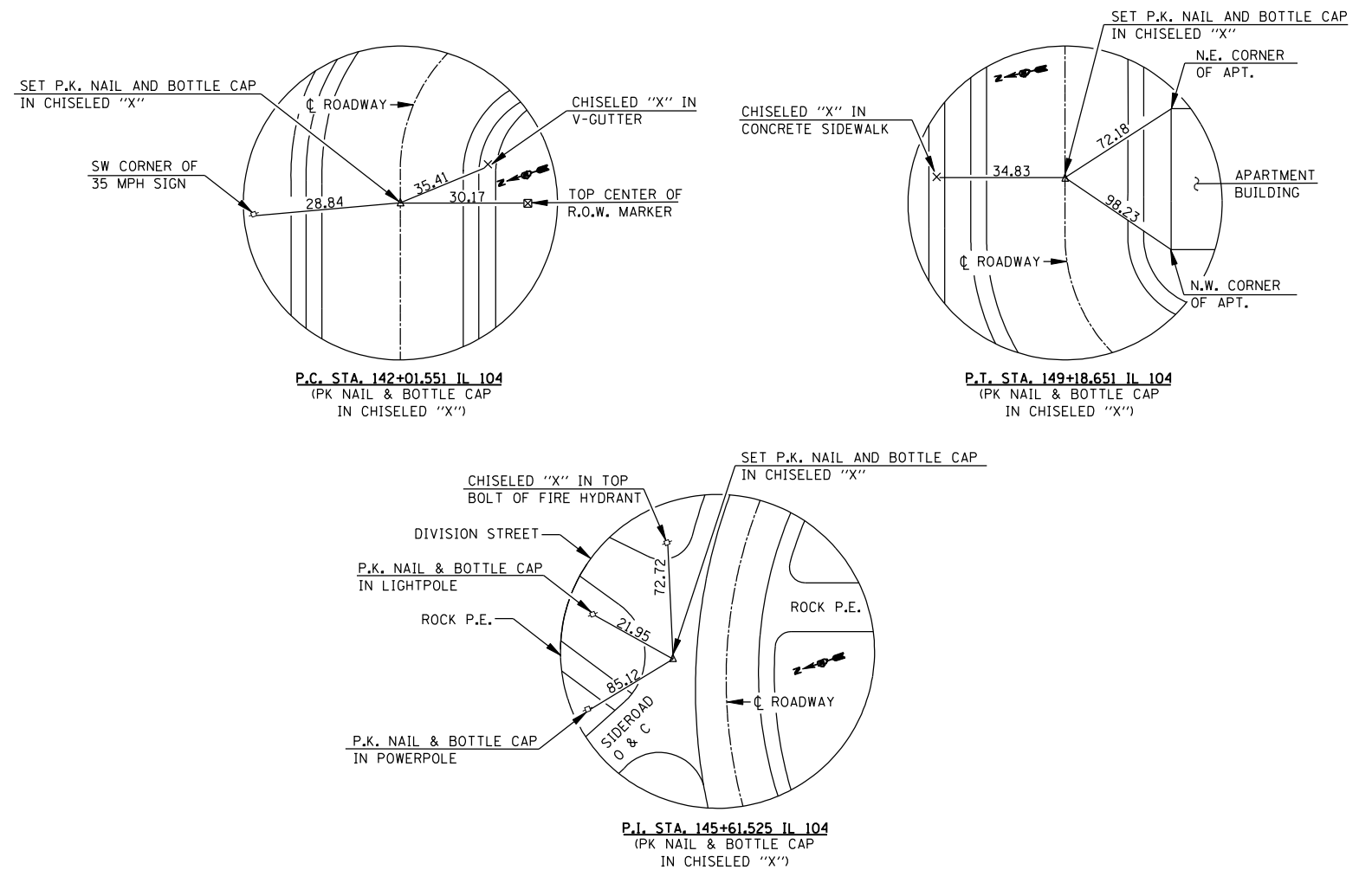
COMMITMENTS: NONE

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

HOT MIX ASPHALT MATERIALS (PRIME COAT)	0.00038 TON/SQ. YD. (ON PAVEMENT)
HOT MIX ASPHALT MATERIALS (PRIME COAT)	0.001425 TON/SQ.YD. (ON AGG)
HOT MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE

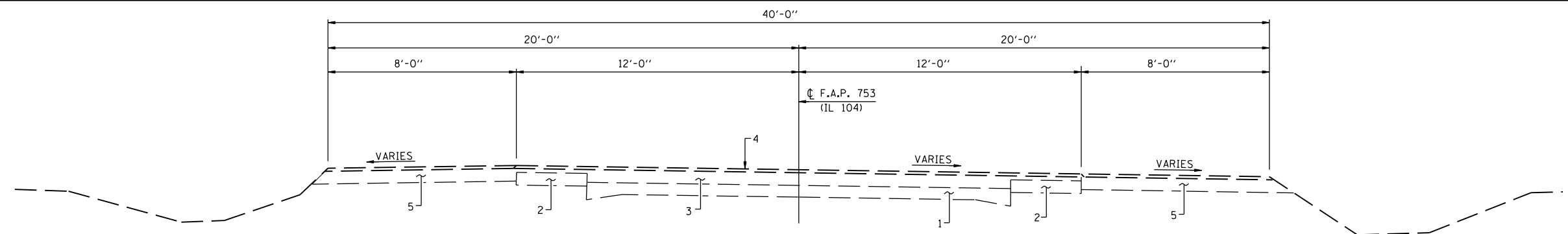
MIXTURE REQUIREMENTS

MIXTURE USE(S)	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	LEVELING BINDER (MACHINE METHOD), N50 & TEMPORARY RAMP	HOT MIX ASPHALT BASE COURSE WIDENING 8"
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION	IL 9.5 OR 12.5	IL 9.5 ONLY	IL 19.0
FRICTION AGGREGATE	MIX D	N/A	N/A

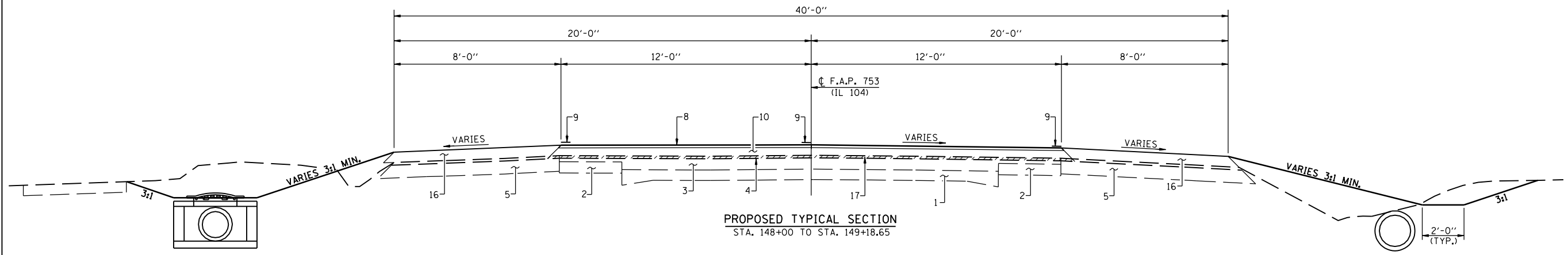


**GENERAL NOTES, CROSS TIES & MIXTURE REQUIREMENTS
IL ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N.011-7056**

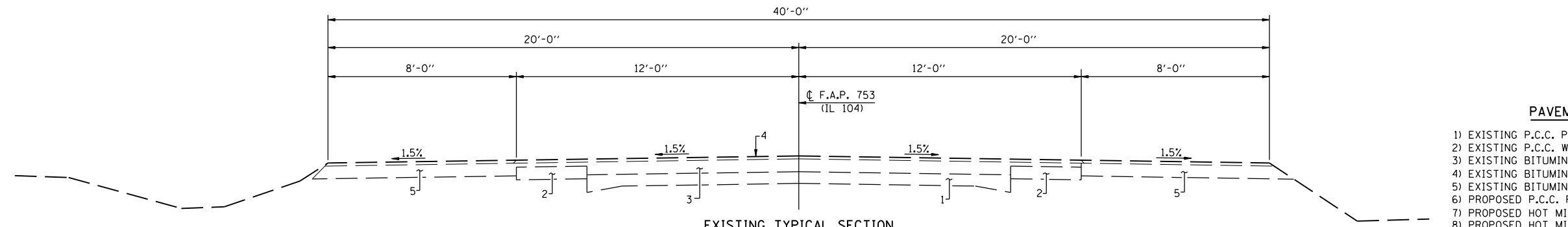
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	73
STA. 144+50 TO STA. 151+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SHEET 3 OF 26				



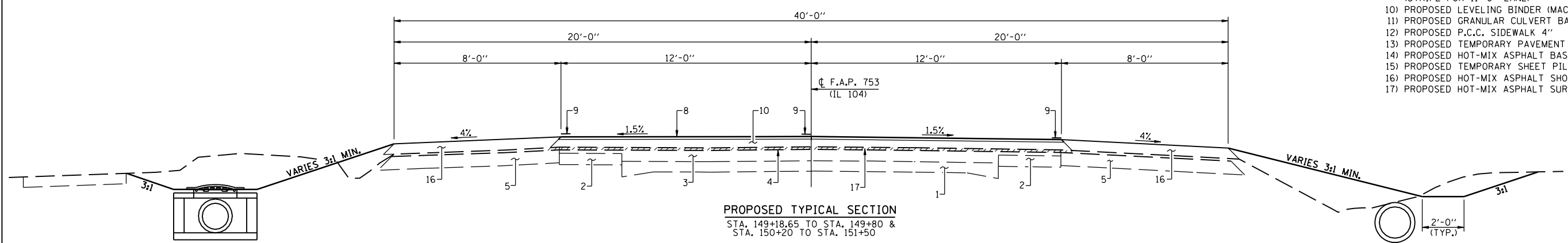
EXISTING TYPICAL SECTION
STA. 148+00 TO STA. 149+18.65



PROPOSED TYPICAL SECTION
STA. 148+00 TO STA. 149+18.65



EXISTING TYPICAL SECTION
STA. 149+18.65 TO STA. 151+50



PROPOSED TYPICAL SECTION
STA. 149+18.65 TO STA. 149+80 &
STA. 150+20 TO STA. 151+50

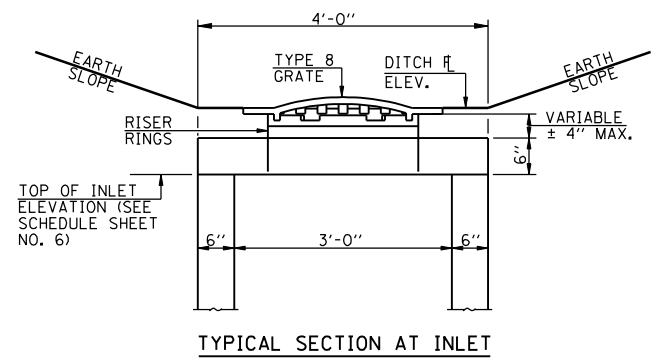
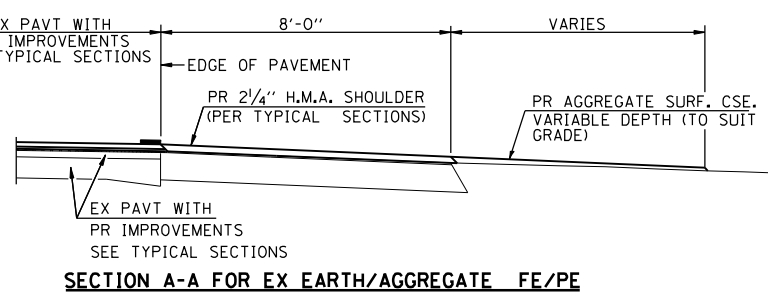
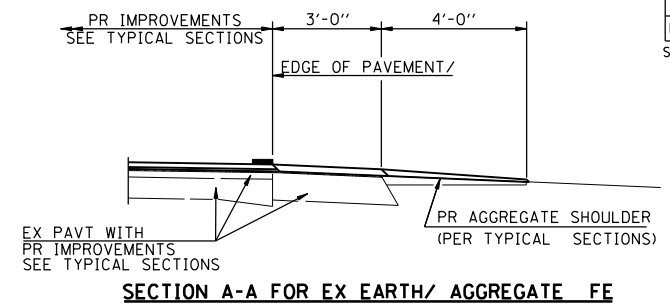
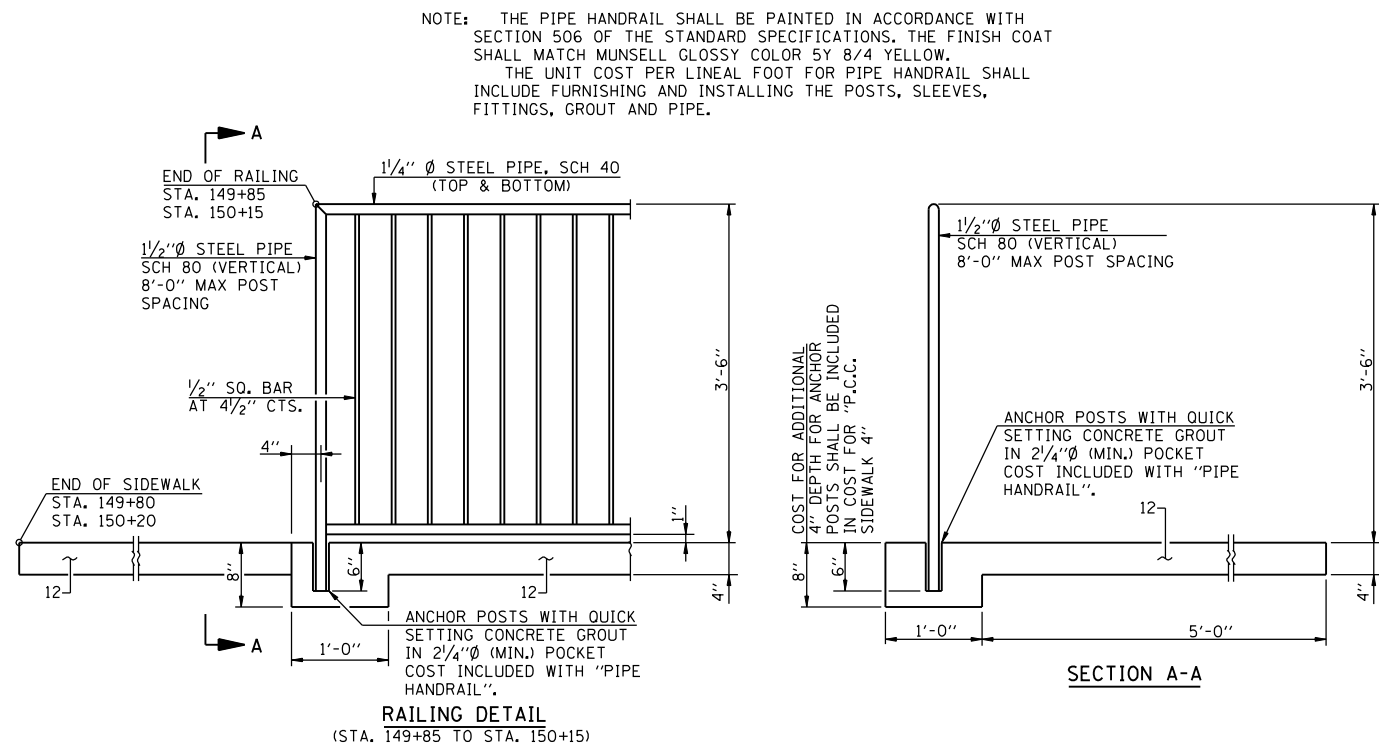
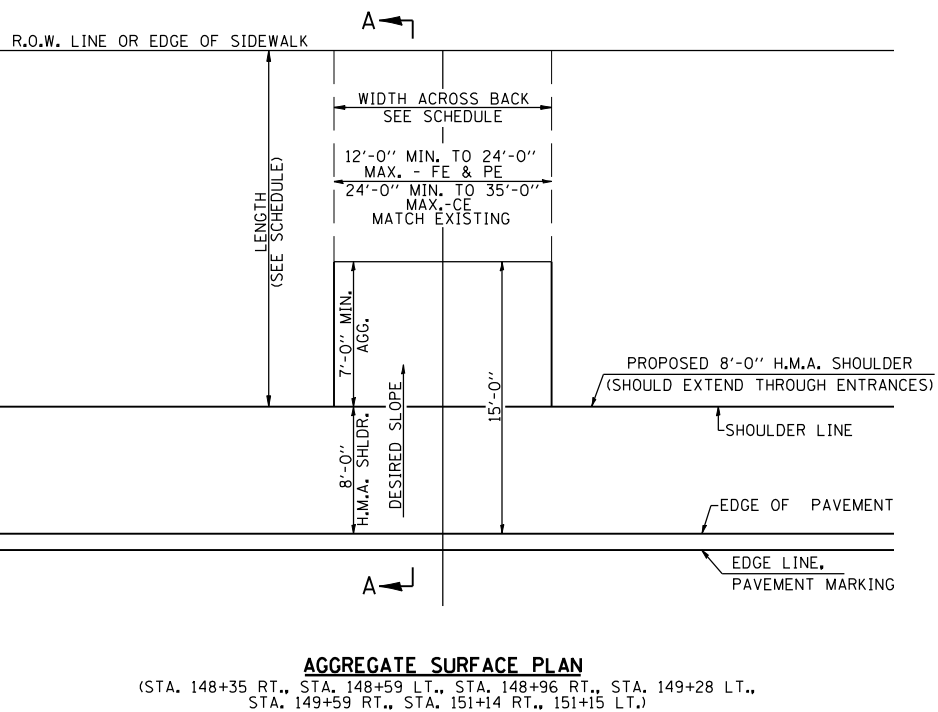
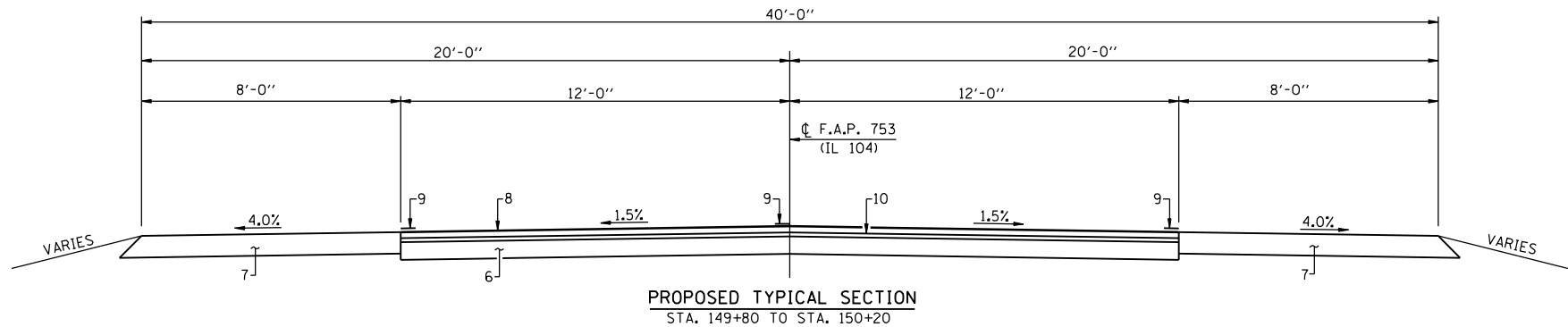
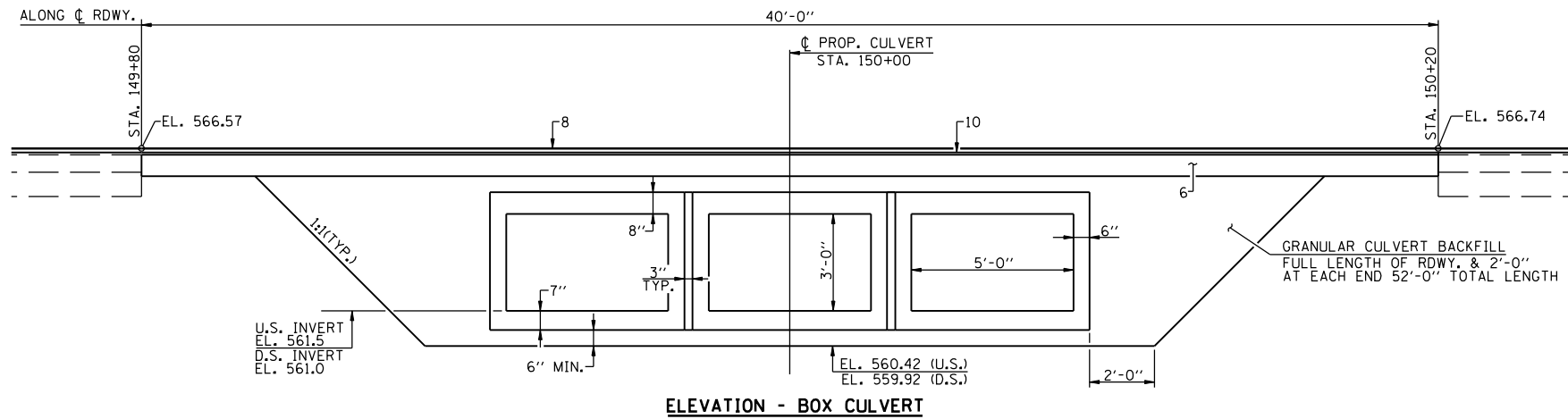
PAVEMENT LEGEND

- 1) EXISTING P.C.C. PAVEMENT (9"-6"-9")
- 2) EXISTING P.C.C. WIDENING (8")
- 3) EXISTING BITUMINOUS SURFACE COURSE AND BINDER (+6/2")
- 4) EXISTING BITUMINOUS SURFACE COURSE (1 1/2")
- 5) EXISTING BITUMINOUS SHOULDER (8")
- 6) PROPOSED P.C.C. PAVEMENT (8")
- 7) PROPOSED HOT MIX ASPHALT SHOULDER (8")
- 8) PROPOSED HOT MIX ASPHALT SURFACE COURSE (1 1/2")
- 9) PROPOSED PAINT PAVEMENT MARKING - 5" LINE (STRIPE FOR 11'-0" LANE)
- 10) PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (MIN. 3/4")
- 11) PROPOSED GRANULAR CULVERT BACKFILL
- 12) PROPOSED P.C.C. SIDEWALK 4"
- 13) PROPOSED TEMPORARY PAVEMENT MARKING - LINE 5"
- 14) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 8"
- 15) PROPOSED TEMPORARY SHEET PILING
- 16) PROPOSED HOT-MIX ASPHALT SHOULDERS (2 1/4" MIN)
- 17) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

DETAILS AND TYPICAL
ROADWAY SECTIONS
ILL. ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056

FILE NAME: D&TRS (REV. 6/25/07)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	74
STA. 148+50 TO STA. 151+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SHEET 4 OF 26				



NOTE: THE PIPE HANDRAIL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS. THE FINISH COAT SHALL MATCH MUNSELL GLOSSY COLOR 5Y 8/4 YELLOW. THE UNIT COST PER LINEAL FOOT FOR PIPE HANDRAIL SHALL INCLUDE FURNISHING AND INSTALLING THE POSTS, SLEEVES, FITTINGS, GROUT AND PIPE.

- PAVEMENT LEGEND**
- EXISTING P.C.C. PAVEMENT (9'-6"-9')
 - EXISTING P.C.C. WIDENING (8')
 - EXISTING BITUMINOUS SURFACE COURSE AND BINDER (±1/2")
 - EXISTING BITUMINOUS SURFACE COURSE (1/2")
 - EXISTING BITUMINOUS SHOULDER (8')
 - PROPOSED P.C.C. PAVEMENT (8')
 - PROPOSED HOT MIX ASPHALT SHOULDER (8')
 - PROPOSED HOT MIX ASPHALT SURFACE COURSE (1/2")
 - PROPOSED PAINT PAVEMENT MARKING - 5" LINE (STRIPE FOR 11'-0" LANE)
 - PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (MIN. 3/4")
 - PROPOSED GRANULAR CULVERT BACKFILL
 - PROPOSED P.C.C. SIDEWALK 4"
 - PROPOSED TEMPORARY PAVEMENT MARKING - LINE 5"
 - PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 8"
 - PROPOSED TEMPORARY SHEET PILING
 - PROPOSED HOT-MIX ASPHALT SHOULDERS (2 1/4" MIN)
 - PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

DETAILS AND TYPICAL ROADWAY SECTIONS
 ILL. ROUTE 104 OVER TRIBUTARY TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

FILE NAME: D&TRS (REV. 6/25/07)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	76

STA. 148+00 TO STA. 151+50
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 SHEET 6 OF 26

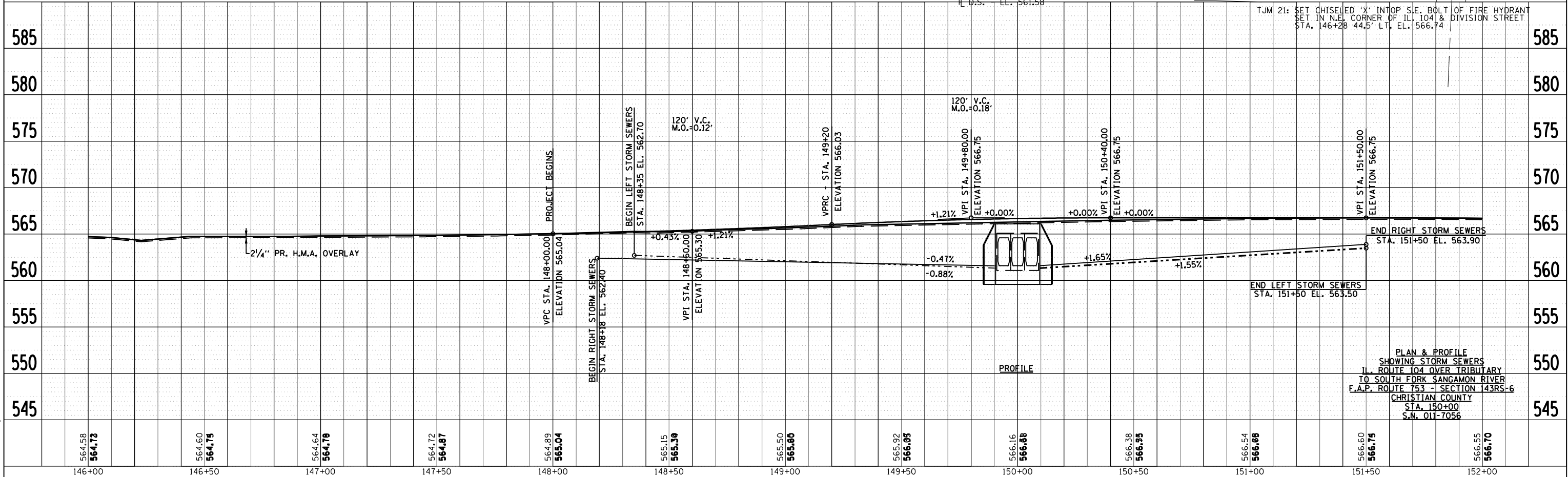
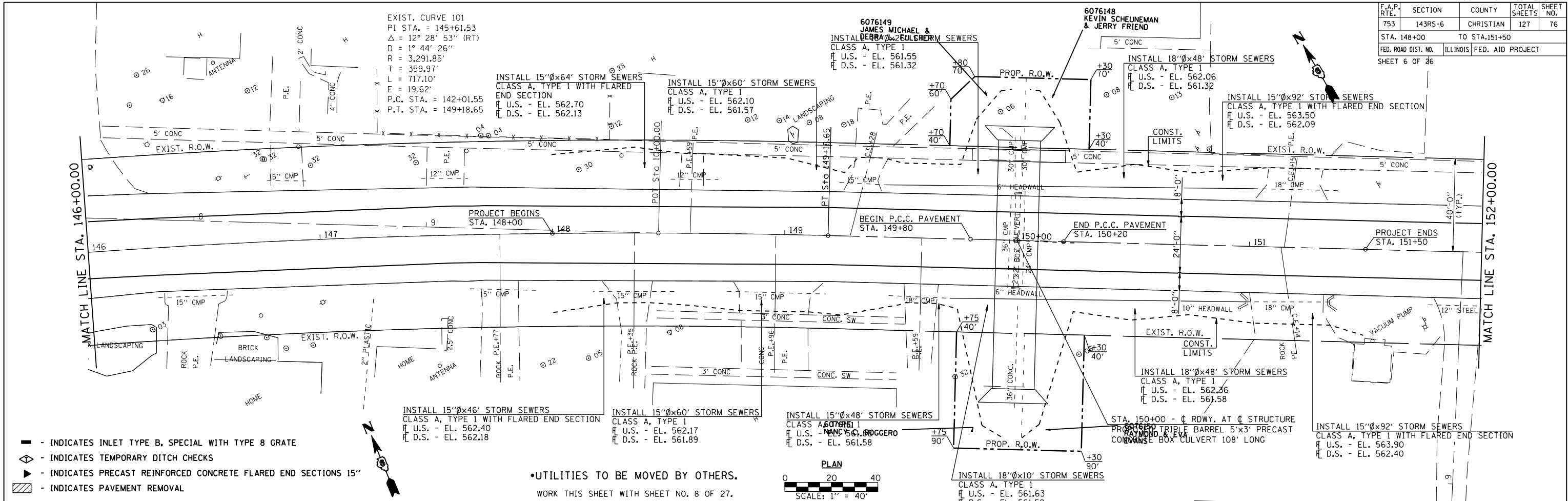
DATE	BY

PLAN SURVEYED, PLOTTED, CHECKED, DATE, BY, NO. CAD FILE NAME

DATE	BY

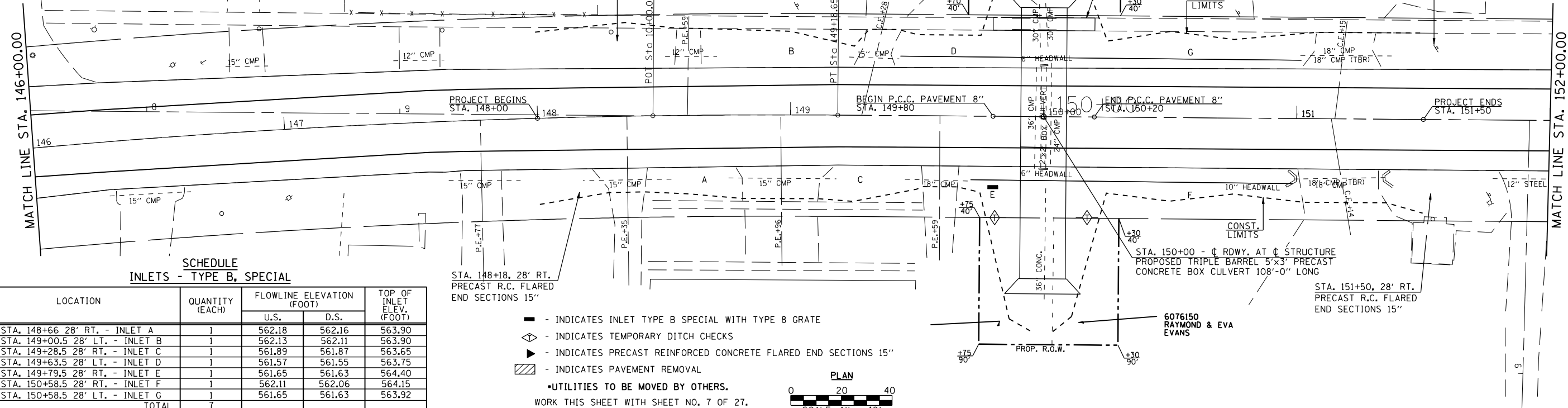
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 USER NAME = laughlin-1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	77
STA. 148+00		TO STA. 151+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SHEET 7 OF 26				

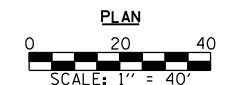
EXIST. CURVE 101
 PI STA. = 145+61.53
 $\Delta = 12^\circ 28' 53''$ (RT)
 $D = 1^\circ 44' 26''$
 $R = 3,291.85'$
 $T = 359.97'$
 $L = 717.10'$
 $E = 19.62'$
 P.C. STA. = 142+01.55
 P.T. STA. = 149+18.65



**SCHEDULE
 INLETS - TYPE B, SPECIAL**

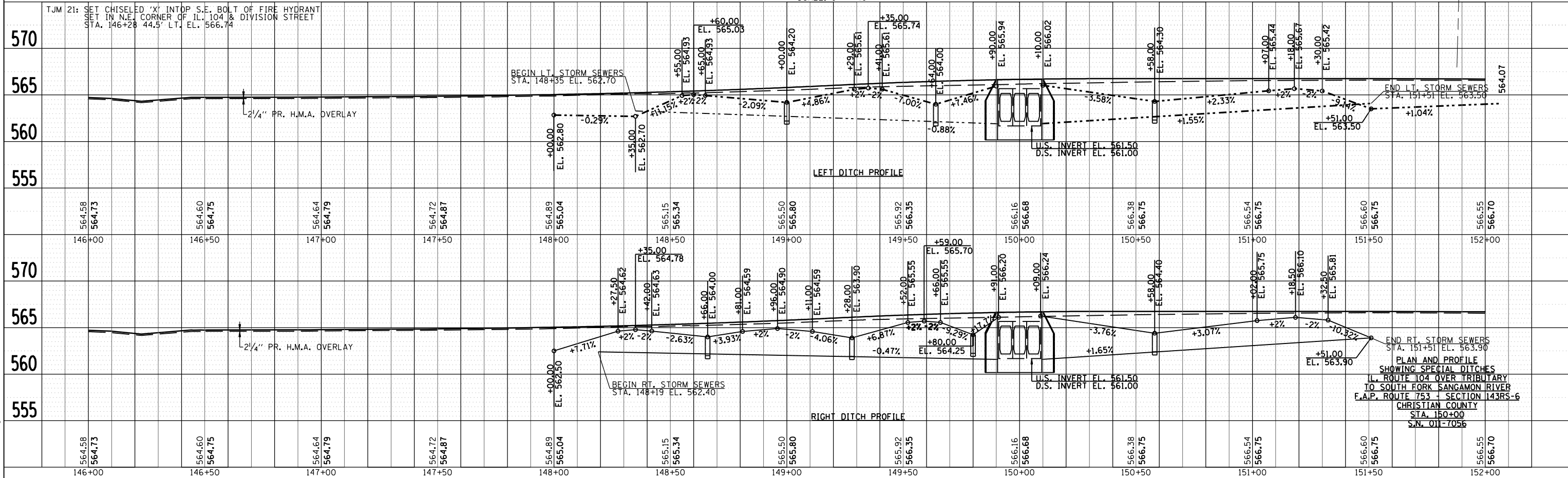
LOCATION	QUANTITY (EACH)	FLOWLINE ELEVATION (FOOT)		TOP OF INLET ELEV. (FOOT)
		U.S.	D.S.	
STA. 148+66.28' RT. - INLET A	1	562.18	562.16	563.90
STA. 149+00.5 28' LT. - INLET B	1	562.13	562.11	563.90
STA. 149+28.5 28' RT. - INLET C	1	561.89	561.87	563.65
STA. 149+63.5 28' LT. - INLET D	1	561.57	561.55	563.75
STA. 149+79.5 28' RT. - INLET E	1	561.65	561.63	564.40
STA. 150+58.5 28' RT. - INLET F	1	562.11	562.06	564.15
STA. 150+58.5 28' LT. - INLET G	1	561.65	561.63	563.92
TOTAL	7			

- - INDICATES INLET TYPE B SPECIAL WITH TYPE 8 GRATE
 - ◇ - INDICATES TEMPORARY DITCH CHECKS
 - ▶ - INDICATES PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"
 - ▨ - INDICATES PAVEMENT REMOVAL
 - - UTILITIES TO BE MOVED BY OTHERS.
- WORK THIS SHEET WITH SHEET NO. 7 OF 27.



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	STRUCTURE NOTATIONS CHRD		
	NO.		



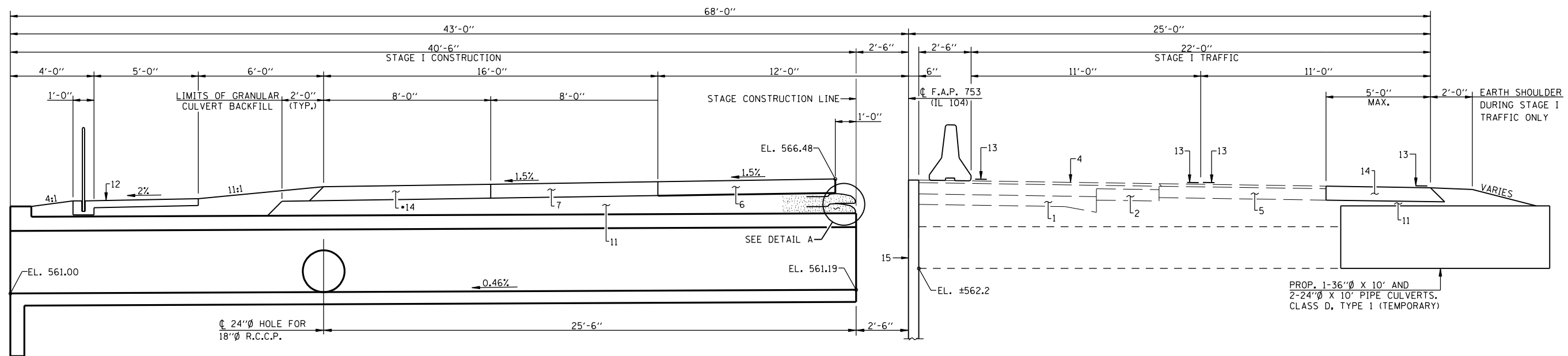
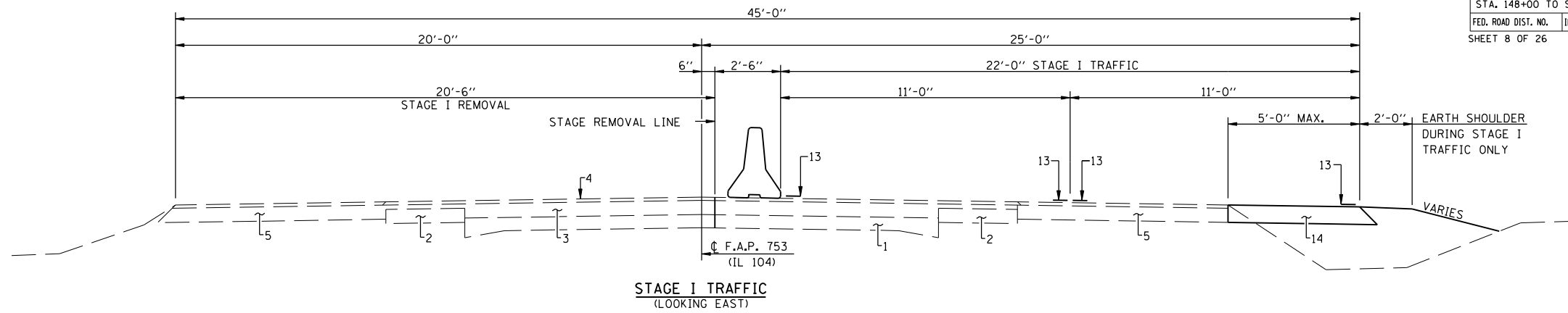
END RT. STORM SEWERS
 STA. 151+51 EL. 563.90
 PLAN AND PROFILE
 SHOWING SPECIAL DITCHES
 IL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

PLOT DATE = Dec-12-2007 10:36:23AM
 FILE NAME = c:\p\projects\063981\ah_f\final\ah_008.dgn
 PLOT SCALE = 4:2,329 / IN.
 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	78
STA. 148+00 TO STA. 151+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SHEET 8 OF 26				

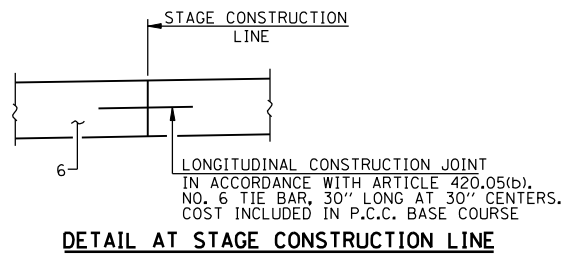
PAVEMENT LEGEND

- 1) EXISTING P.C.C. PAVEMENT (9'-6"-9")
- 2) EXISTING P.C.C. WIDENING (8")
- 3) EXISTING BITUMINOUS SURFACE COURSE AND BINDER (±6 1/2")
- 4) EXISTING BITUMINOUS SURFACE COURSE (1 1/2")
- 5) EXISTING BITUMINOUS SHOULDER (8")
- 6) PROPOSED P.C.C. PAVEMENT (8")
- 7) PROPOSED HOT MIX ASPHALT SHOULDER (8")
- 8) PROPOSED HOT MIX ASPHALT SURFACE COURSE (1 1/2")
- 9) PROPOSED PAINT PAVEMENT MARKING - 5" LINE (STRIPE FOR 11'-0" LANE)
- 10) PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (MIN. 3/4")
- 11) PROPOSED GRANULAR CULVERT BACKFILL
- 12) PROPOSED P.C.C. SIDEWALK 4"
- 13) PROPOSED TEMPORARY PAVEMENT MARKING - LINE 5"
- 14) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 8"
- 15) PROPOSED TEMPORARY SHEET PILING
- 16) PROPOSED HOT-MIX ASPHALT SHOULDERS (2 1/4" MIN)
- 17) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

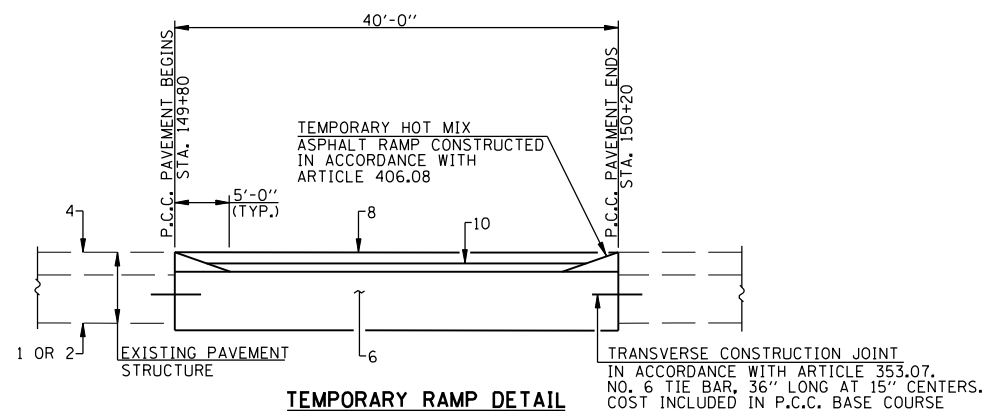


STAGE I TRAFFIC & CONSTRUCTION OVER CULVERT
(LOOKING EAST)

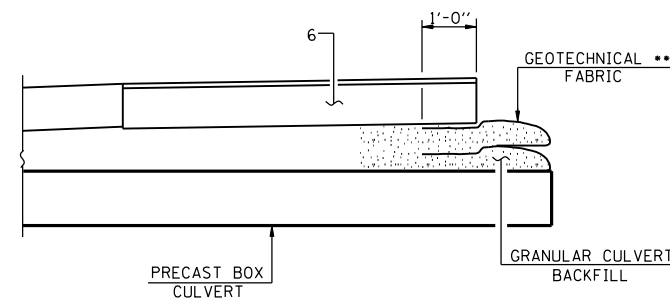
- TO BE REMOVED AFTER STAGE II CONSTRUCTION IS COMPLETED



DETAIL AT STAGE CONSTRUCTION LINE



TEMPORARY RAMP DETAIL



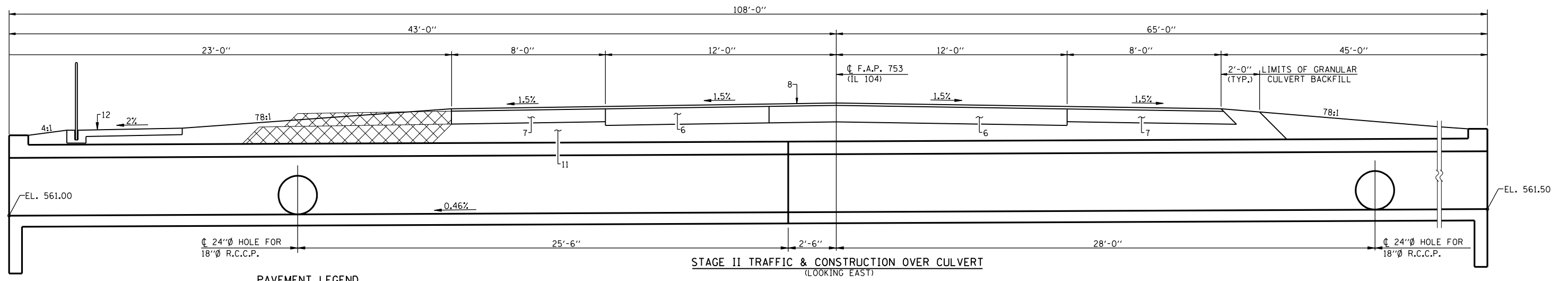
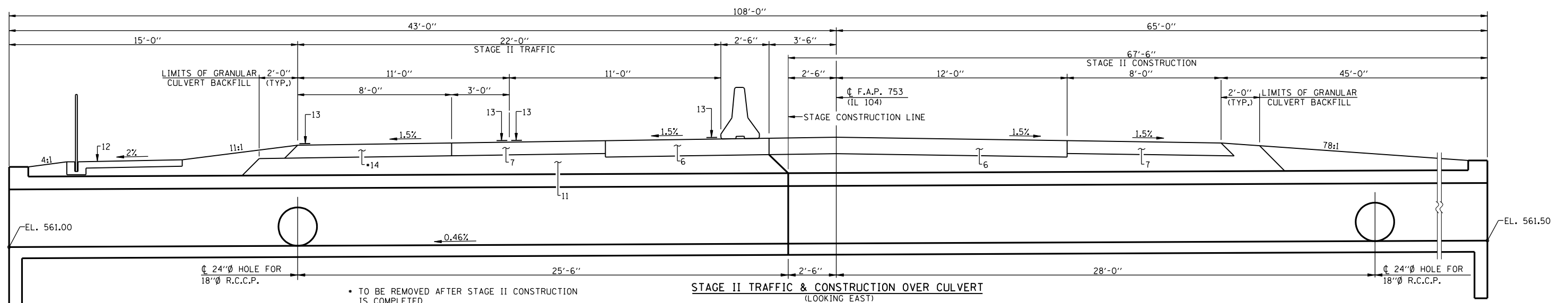
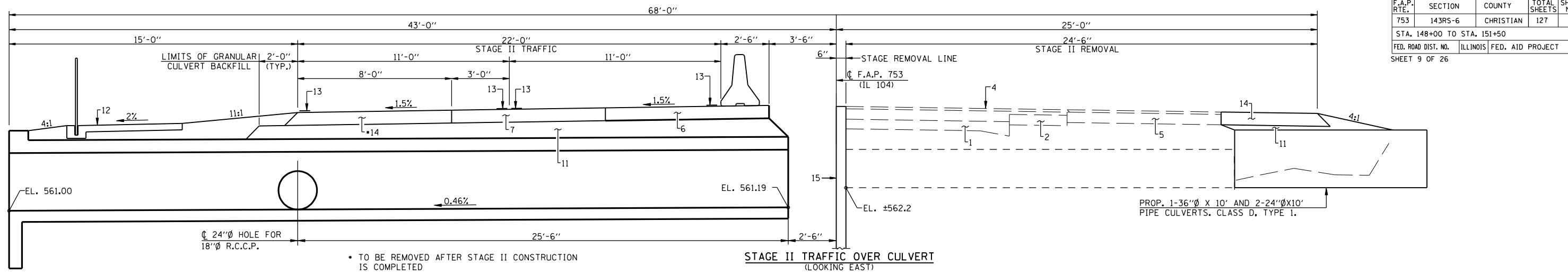
DETAIL A

- GEOTECHNICAL FABRIC TO BE PLACED UNDERNEATH P.C.C. PAVEMENT 8", FROM STA. 149+91 TO STA. 150+09. EXTEND FABRIC A MINIMUM OF 2.7' INTO THE FILL AND FABRIC SHALL HAVE A MINIMUM TENSILE STRENGTH OF 100 LB./FT. (COST OF GEOTECHNICAL FABRIC TO BE INCLUDED IN GRANULAR CULVERT BACKFILL).

ESTIMATED QUANTITY - 96 SQ. YD. FOR GEOTECHNICAL FABRIC

TYPICAL STAGING SECTIONS
IL ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	79
STA. 148+00 TO STA. 151+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SHEET 9 OF 26				



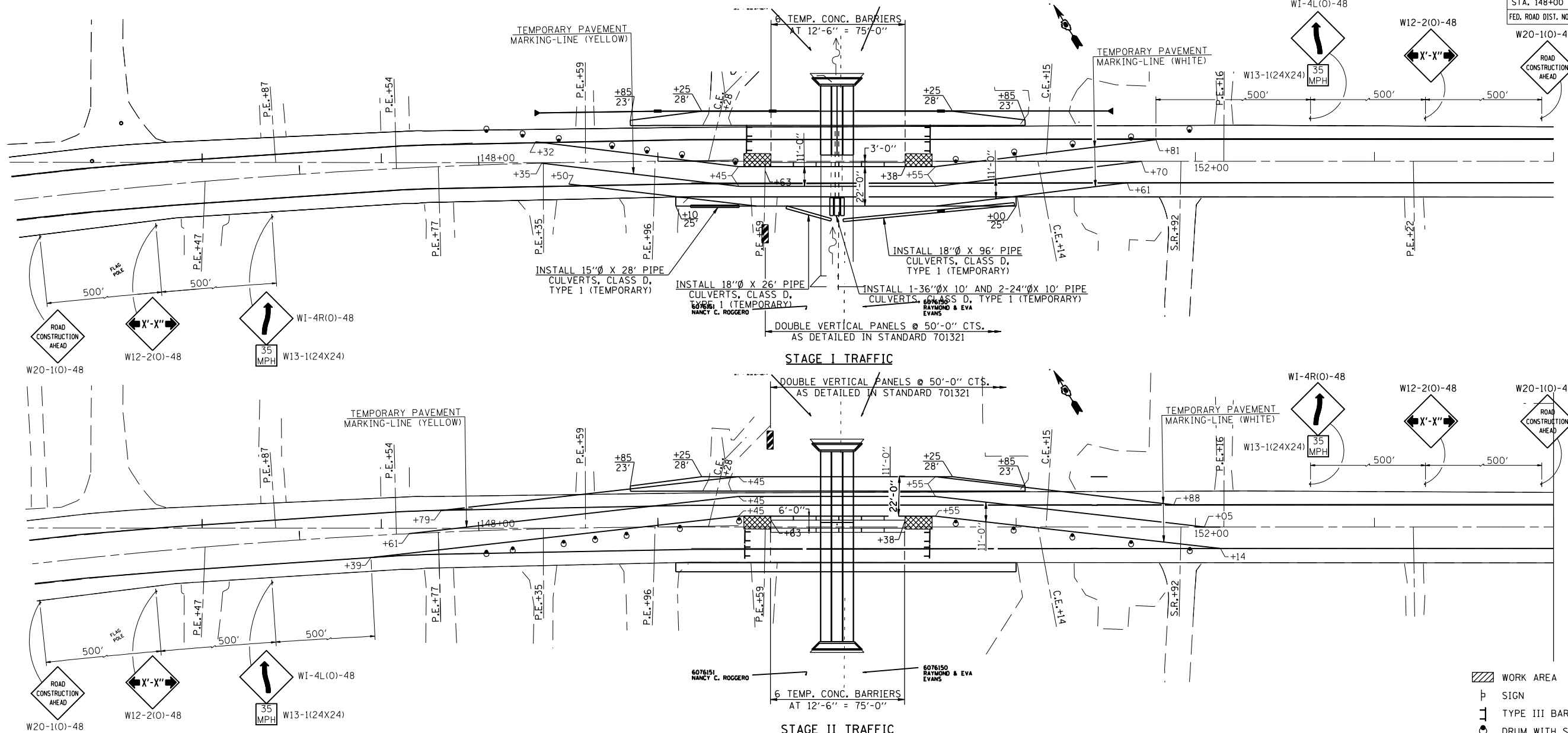
PAVEMENT LEGEND

- | | |
|---|--|
| 1) EXISTING P.C.C. PAVEMENT (9'-6"-9') | 10) PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (MIN. 3/4") |
| 2) EXISTING P.C.C. WIDENING (8") | 11) PROPOSED GRANULAR CULVERT BACKFILL |
| 3) EXISTING BITUMINOUS SURFACE COURSE AND BINDER (±6 1/2") | 12) PROPOSED P.C.C. SIDEWALK 4" |
| 4) EXISTING BITUMINOUS SURFACE COURSE (1 1/2") | 13) PROPOSED TEMPORARY PAVEMENT MARKING - LINE 5" |
| 5) EXISTING BITUMINOUS SHOULDER (8') | 14) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING 8" |
| 6) PROPOSED P.C.C. PAVEMENT (8') | 15) PROPOSED TEMPORARY SHEET PILING |
| 7) PROPOSED HOT MIX ASPHALT SHOULDER (8") | 16) PROPOSED HOT-MIX ASPHALT SHOULDERS (2 1/4" MIN) |
| 8) PROPOSED HOT MIX ASPHALT SURFACE COURSE (1 1/2") | 17) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH |
| 9) PROPOSED PAINT PAVEMENT MARKING - 5' LINE (STRIPE FOR 11'-0" LANE) | |

XXXX - INDICATES HMA SHOULDER AND GRANULAR CULVERT BACKFILL TO BE REMOVED AND REPLACED WITH EARTH DURING WIDENING REMOVAL

**TYPICAL STAGING SECTIONS
IL ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	80
STA. 148+00 TO STA. 151+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SUGGESTED STAGE CONSTRUCTION SEQUENCE

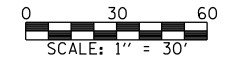
- STAGE I**
1. THE CONTRACTOR SHALL PLACE MAX. WIDTH SIGNS AND ROAD CLOSED AHEAD SIGNS AS SHOWN ON SHEET 12, BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL. THESE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL COMPLETE".
 2. INSTALL PIPE CULVERTS (TEMPORARY) AS SHOWN ON PLAN RT.
 3. CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 8" RT. STA. 149+10 TO STA. 151+00 - (5'-0" WIDE).
 4. ERECT TRAFFIC CONTROL FOR STAGE I.
 5. REMOVE EXISTING STRUCTURE LEFT. @ STA. 150+00.
 6. CONSTRUCT PROPOSED STAGE I TRIPLE BARREL 5'-0" X 3'-0" CULVERT AND WINGWALLS STA. 150+00.
 7. CONSTRUCT PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" LT. STA. 149+80 TO STA. 150+20.
 8. CONSTRUCT STORM SEWERS, CLASS A TYPE 1 AND INLETS TYPE B SPECIAL AT LOCATIONS AS SHOWN ON THE PLANS AND REMOVE EXISTING CULVERTS LT.
 9. INSTALL ENGINEER APPROVED STEEL PLATE LID ON ALL THREE INLETS LT. COST INCLUDED IN INLETS TYPE B, SPECIAL.
 10. CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING 8" LT. STA. 148+85 TO STA. 151+05.
- STAGE II**
1. ERECT TRAFFIC CONTROL FOR STAGE II.
 2. REMOVE EXISTING STRUCTURE RIGHT @ STA. 150+00 AND BASE COURSE WIDENING STA. 149+10 TO STA. 151+00 RT..
 3. CONSTRUCT PROPOSED STAGE II TRIPLE BARREL 5'-0" X 3'-0" CULVERT AND WINGWALLS @ STA. 150+00.
 4. CONSTRUCT PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" RT. STA. 149+80 TO STA. 150+20.
 5. CONSTRUCT STORM SEWERS, CLASS A TYPE 1 AND INLETS TYPE B SPECIAL AT LOCATIONS AS SHOWN ON THE PLANS AND REMOVE EXISTING CULVERTS RT.
 6. CONSTRUCT PROPOSED HOT-MIX ASPHALT SHOULDERS RT. STA. 149+80 TO STA. 150+20.

- FINAL**
1. REMOVE HOT MIX ASPHALT BASE COURSE WIDENING STA. 148+85 TO STA. 151+05 LT. AND SHAPE SLOPES.
 2. INSTALL SHORT-TERM PAVEMENT MARKINGS AND REMOVE ALL STAGE TRAFFIC CONTROL AND RE-ESTABLISH NORMAL TRAFFIC PATTERNS.
 3. REMOVE SHORT TERM PAVEMENT MARKINGS AND COMPLETE LEVELING BINDER AND HOT-MIX SURFACE COURSE PLACEMENT UNDER TRAFFIC WITH FLAGGERS ON A LATER DATE.
 4. FINAL STRIPING, SEEDING AND MISCELLANEOUS CLEANUP.

- GENERAL NOTES**
1. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS (PH. 785-5836) AT LEAST ONE WEEK PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL.
 2. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE REVISED STAGE TRAFFIC PATTERNS DURING ALL PHASES OF STAGE CONSTRUCTION SHALL BE REMOVED AS SPECIFIC IN SECTION 783 OF THE STANDARD SPECIFICATIONS AND PAID FOR AS "PAVEMENT MARKING REMOVAL".
 3. THE CONTRACTOR SHALL MAINTAIN FULL OPERATIONAL STATUS OF ALL SIDEROADS AND ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES DURING ALL PHASES OF CONSTRUCTION.
 4. TEMPORARY CONCRETE BARRIER, THE BARRIER UNIT AT EACH END OF THE INSTALLATION SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING ALL SIX ANCHORING PINS FOR F SHAPE OR ALL SIX DOWEL BARS FOR NEW JERSEY SHAPE.
 5. SIGNING FOR STAGE II SAME AS STAGE I EXCEPT FOR W1-4(0)48 SIGNS THAT SHALL BE REVERSED TO ACCOMMODATE LANE SHIFT.

SYMBOLS

	WORK AREA
	SIGN
	TYPE III BARRICADE
	DRUM WITH STEADY BURNING LIGHT
	TRAFFIC SIGNAL
	TEMPORARY RUMBLE STRIP
	INDUCTION LOOP DETECTOR
	DOUBLE VERTICAL PANEL
	TYPE C BIDIRECTIONAL REFLECTOR
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATOR
	STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS



STAGE CONSTRUCTION TRAFFIC DETAILS
IL. ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 753	143RS-6	CHRISTIAN	127	81
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	SHEET NO. 1 OF 6 SHEETS	

Contract No. 72624
SHEET 11 OF 26

Benchmark: Chiseled "X" in Top S.E. Bolt of Fire Hydrant set in N.E. Corner of IL 104 & Division Street
Sta. 146+28 44.5' Lt. El. 566.74

Existing Structure: Existing 2'x2' Conc. Box Culvert, 36" R.C.C.P., & 2 - 30" C.M.P.
Existing culvert and pipes to be removed.
No salvage.

Proposed Structure: Triple 5'x3' precast box culvert with cast in place end sections.

- INDEX OF SHEETS**
- GENERAL PLAN & ELEVATION
 - STAGE CONSTRUCTION TRAFFIC DETAILS
 - STAGE CONSTRUCTION DETAILS
 - TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 - CULVERT DETAILS
 - BORINGS

GENERAL NOTES

Reinforcement bars shall conform to the requirements of A.S.T.M. A 706, Grade 60 (IL Modified). See Special Provisions.
For backfilling and embankment, see Special Provisions.
See Section 540.06 of the Standard Specifications for Porous Granular Bedding requirements.
Concrete required for the construction of the end sections is included in the quantity for Concrete Box Culverts.
Layout of the riprap may be varied in the field to suit ground conditions as directed by the Engineer.
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
Precast concrete box culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of A.A.S.H.T.O. M 273 (ASTM C850).
Precast End Sections will not be allowed.
Cast in place concrete exposed edges shall be beveled 3/4".
All construction joints shall be bonded.
Outside end of precast sections at the ends of the culvert shall not have a bell or spigot.

LOADING HS20-44

Allow 50#/sq.ft. for future wearing surface

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O.

DESIGN STRESSES

FIELD UNITS

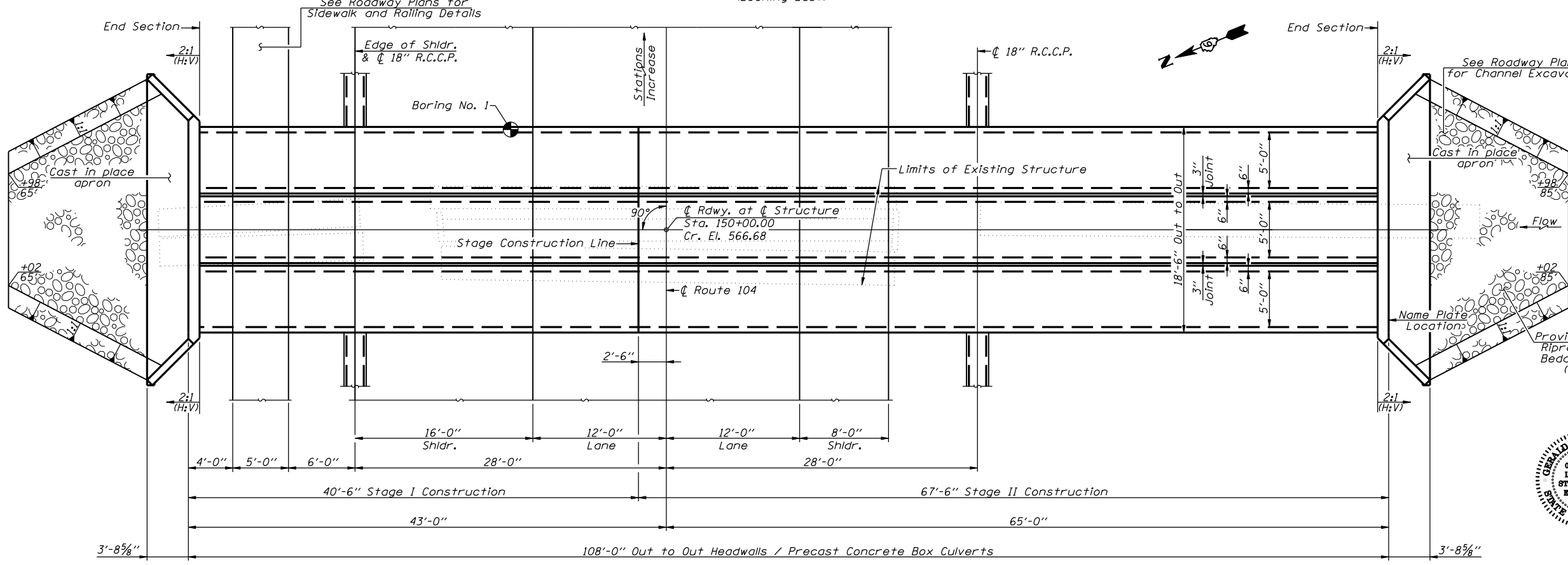
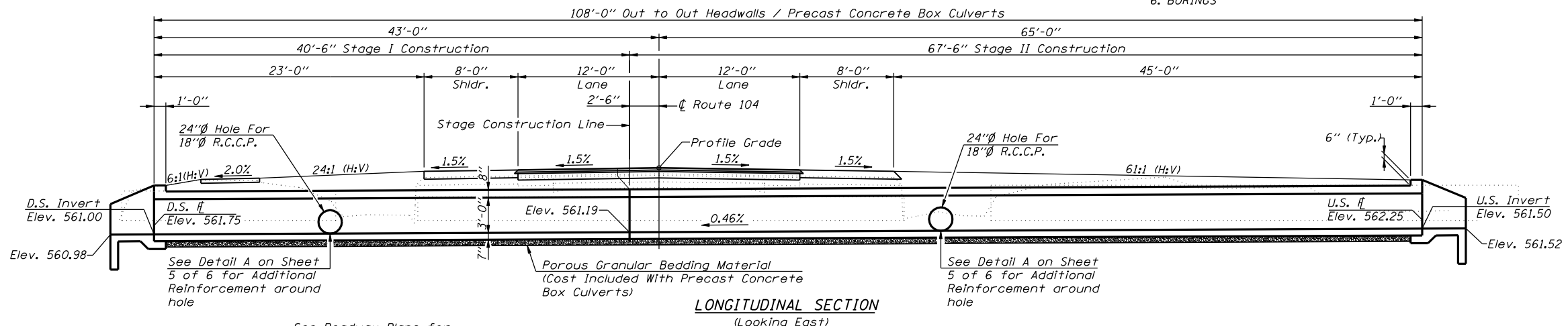
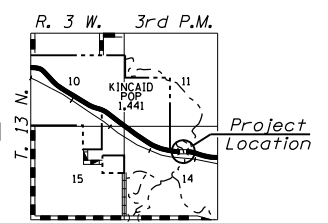
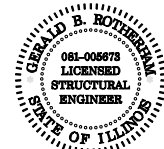
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (welded wire fabric)

STA. 150+00.00
BUILT 200 BY
STATE OF ILLINOIS
F.A.P. RTE. 753
SECTION 143RS-6
LOADING HS 20
STR. NO. 011-7056

NAME PLATE
(Standard 515001)



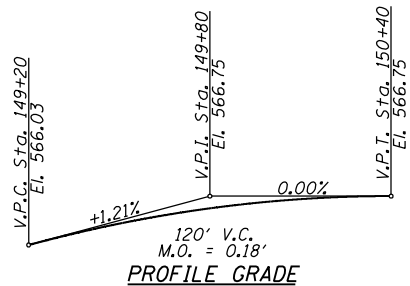
WATERWAY INFORMATION

Drainage Area = 0.102 Sq. Mi.		Ex. Low Grade Elev. 565.10 ft. @ Sta.+-		Pr. Low Grade Elev. ft. @ Sta. ...+-		
Flood	Freq. Yr.	0 C.F.S.	Opening Sq. Ft.	Natural H.W.E.	Head - ft. Exist. Prop.	Headwater El. Exist. Prop.
	10	97	14	564.89	1.7	566.59
Design	50	162	14/7	565.56	1.2	566.77
Base	100	191	14/8	565.72	1.1	566.82
Overtopping	-	-	-	-	-	-
Max. Calc.	500	264	14/11	565.99	1.0	566.98

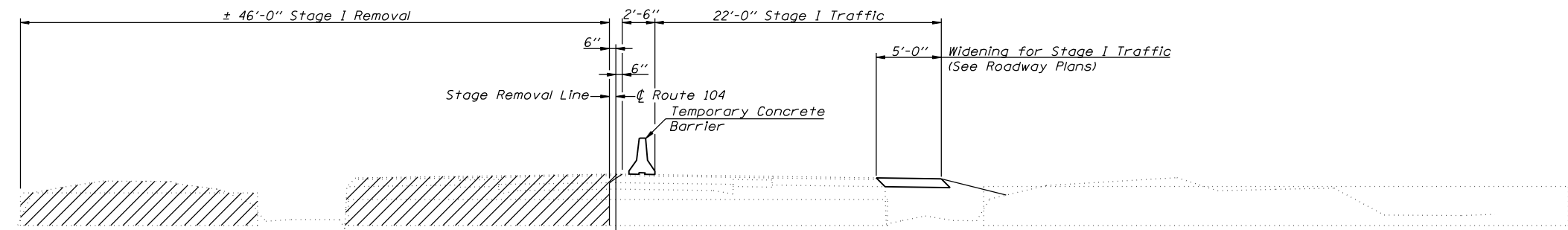
TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Precast Concrete Box Culverts 5' x 3' (M273)	Foot	324
Concrete Box Culverts	Cu. Yd.	11.2
Reinforcement Bars	Pound	740
Granular Culvert Backfill	Cu. Yd.	137
Temporary Sheet Piling	Sq. Ft.	437
Name Plates	Each	1
Stone Riprap, Class A3	Sq. Yd.	82
Filter Fabric	Sq. Yd.	82
Removal of Existing Structures	L. Sum	1
Pipe Culvert Removal*	Foot	164

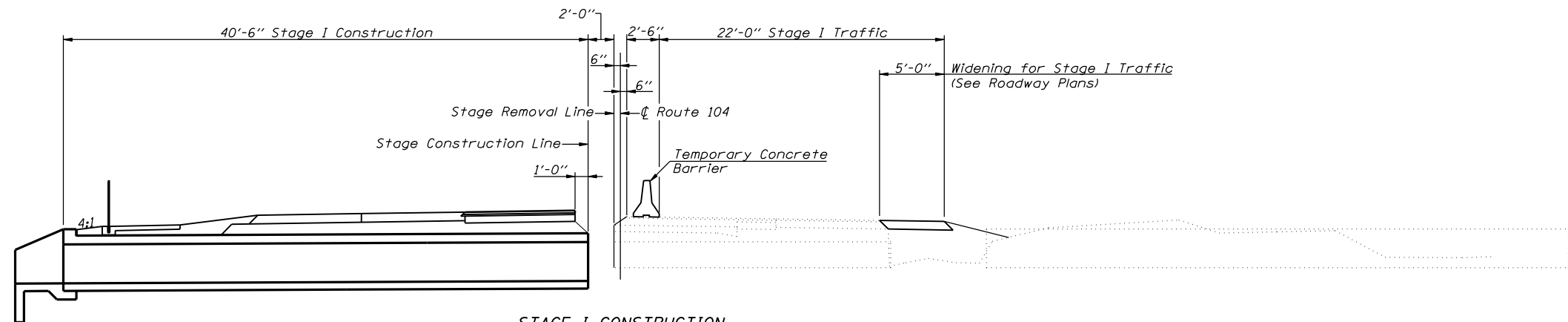
*See Roadway Plans for Schedule



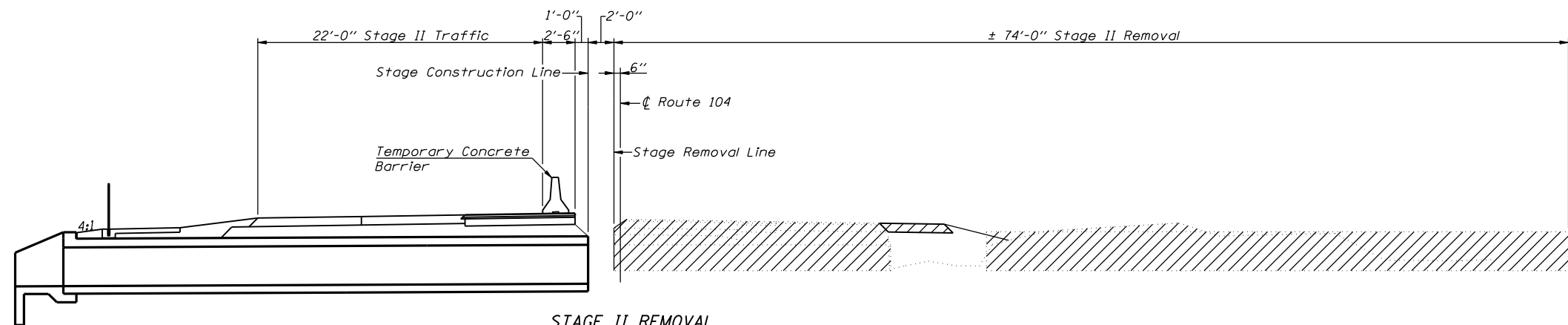
Designed: F.L.L.
Checked: G.B.R.
Drawn: F.L.L.
Checked: G.B.R.



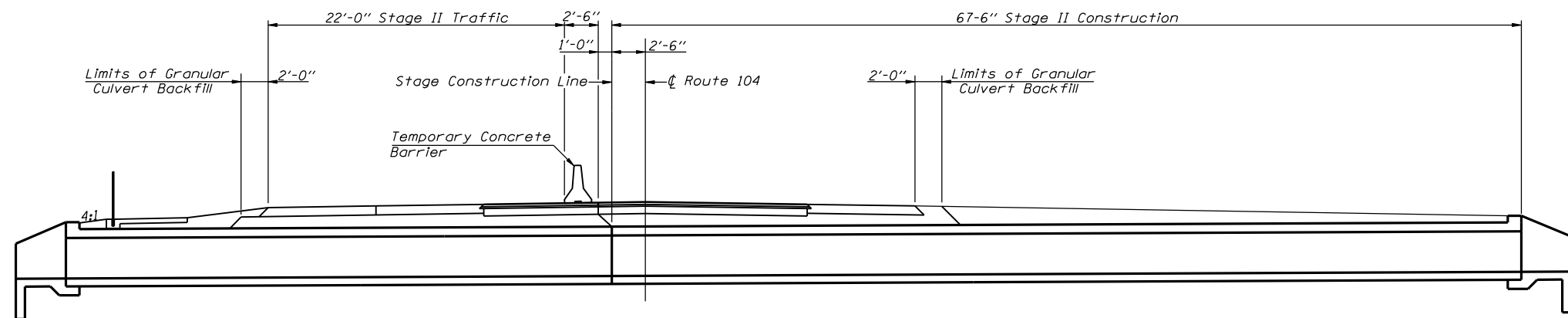
STAGE I REMOVAL



STAGE I CONSTRUCTION



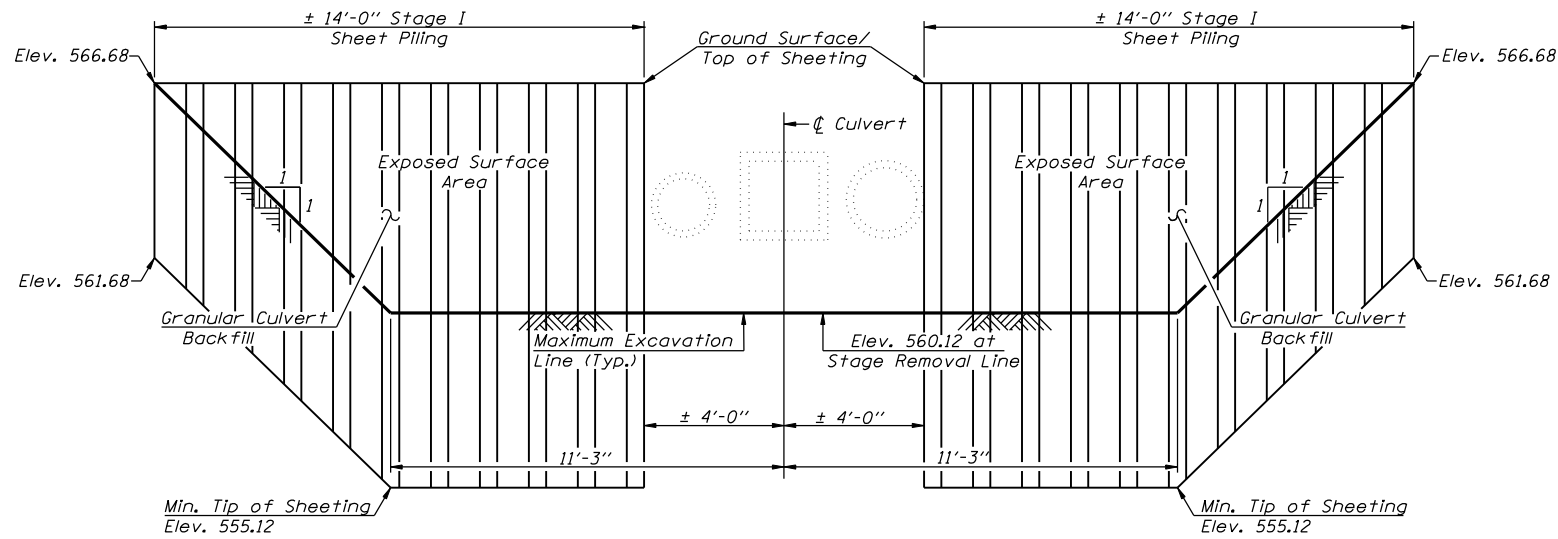
STAGE II REMOVAL



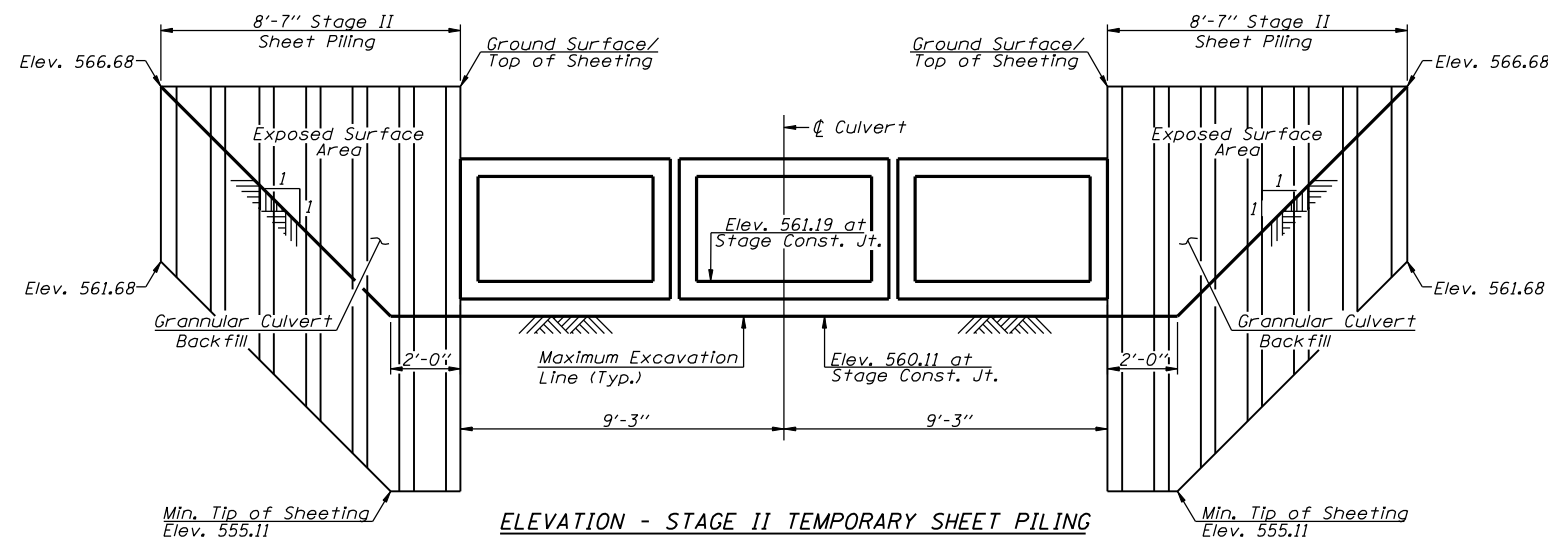
STAGE II CONSTRUCTION

Notes: Hatched areas indicate Removal of Existing Structures.
 All cross sections looking East.
 See Roadway plans for quantity of Temporary Concrete Barrier.
 Work this sheet with sheet 3 of 6.

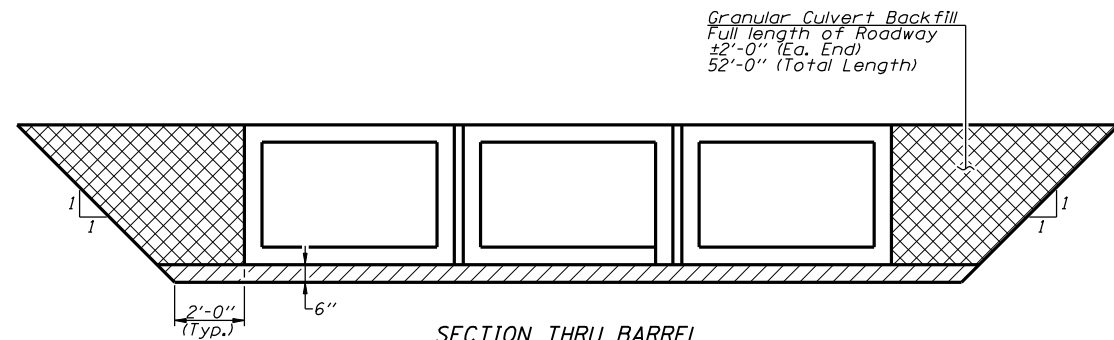
STAGE CONSTRUCTION TRAFFIC DETAILS
 IL ROUTE 104 OVER UNNAMED TRIBUTARY
 SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00.00
 S.N. 011-7056



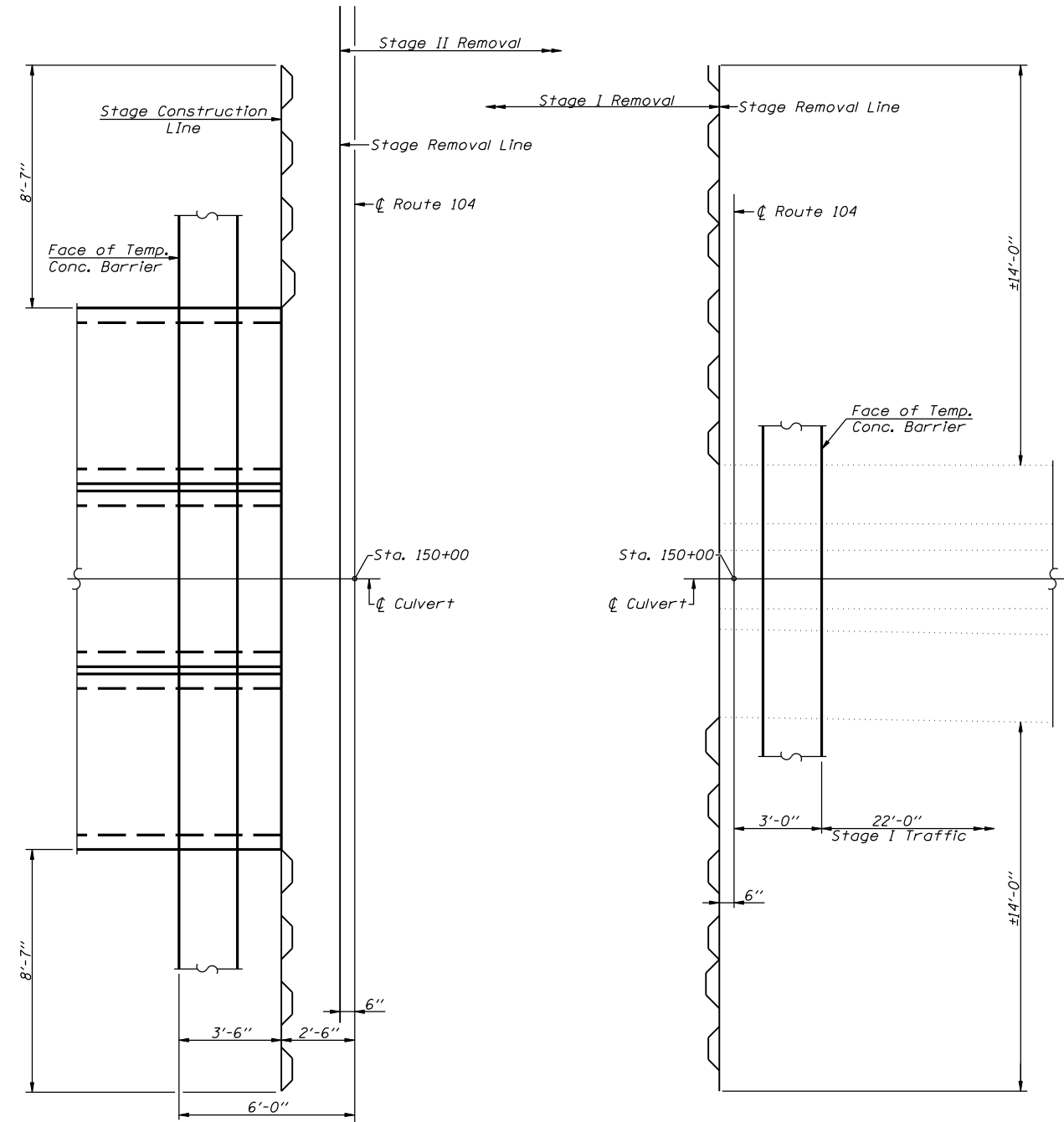
ELEVATION - STAGE I TEMPORARY SHEET PILING
(Minimum Required Section Modulus = 19 in³/ft.)



ELEVATION - STAGE II TEMPORARY SHEET PILING
(Minimum Required Section Modulus = 19 in³/ft.)



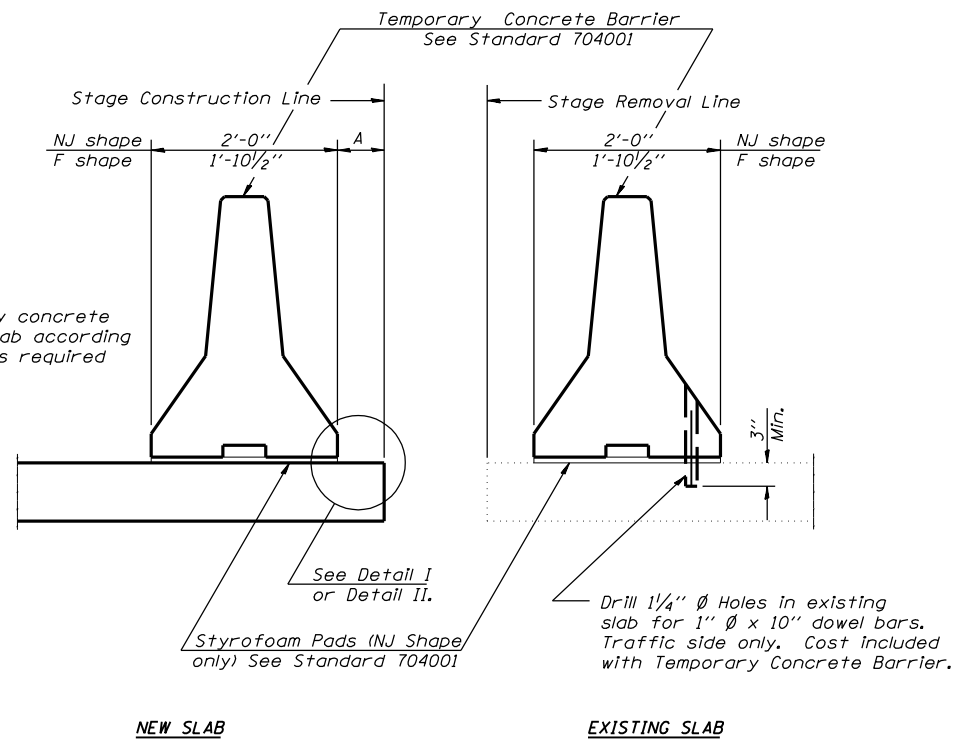
SECTION THRU BARREL
 ▨ - Limits of Porous Granular Material (Cost included with Precast Concrete Box Culvert)
 ▩ - Pay Limits of Granular Culvert Backfill



PLAN - STAGE II TEMPORARY SHEET PILING
(Minimum Required Section Modulus = 19 in³/ft.)

PLAN - STAGE I TEMPORARY SHEET PILING
(Minimum Required Section Modulus = 19 in³/ft.)

STAGE CONSTRUCTION DETAILS
 IL ROUTE 104 OVER UNNAMED TRIBUTARY
 SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00.00
 S.N. 011-7056



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".

NOTES

Detail I - With Bar Splicer or Couplers:

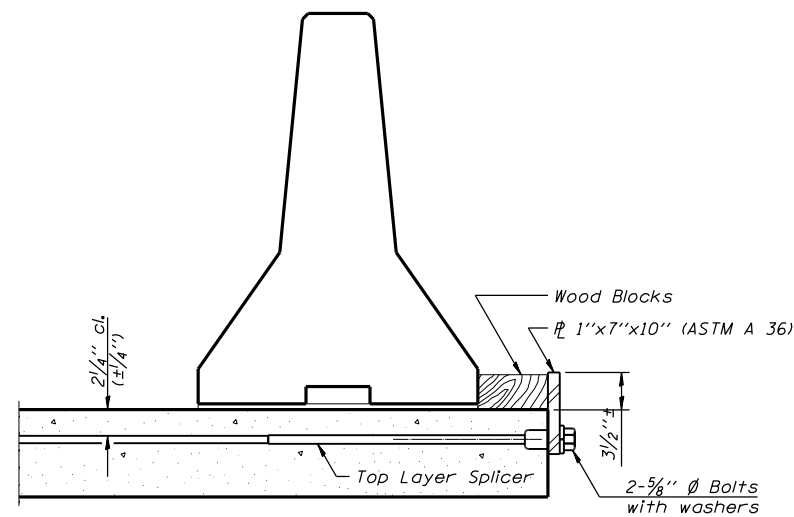
Connect one (1) 1"x7"x10" steel plate to the top layer of couplers with 2-5/8" Ø bolts screwed to coupler at approximate center of each barrier panel.

Detail II - With Extended Reinforcement Bars:

Connect one (1) 1"x7"x10" steel plate to the concrete slab with 2-5/8" Ø Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate center of each barrier panel.

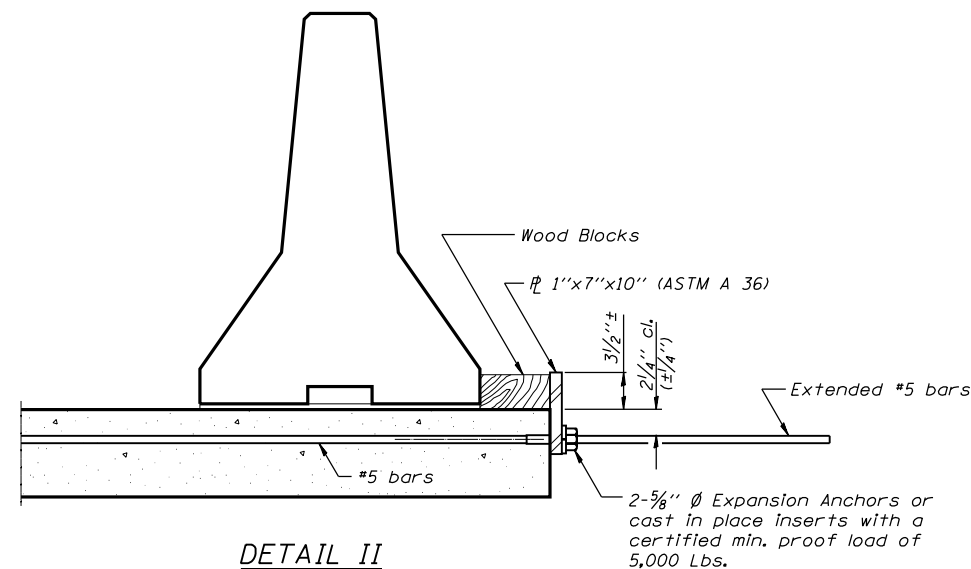
Cost of anchorage is included with Temporary Concrete Barrier.

SECTIONS THRU SLAB



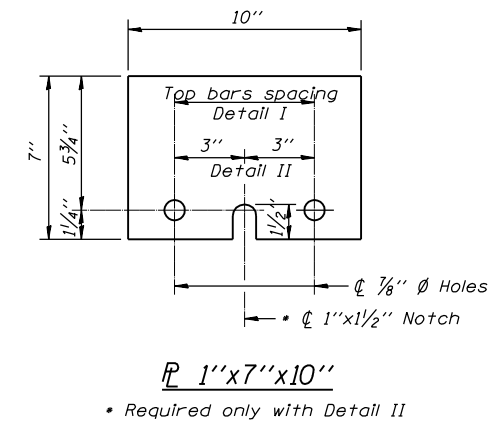
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.

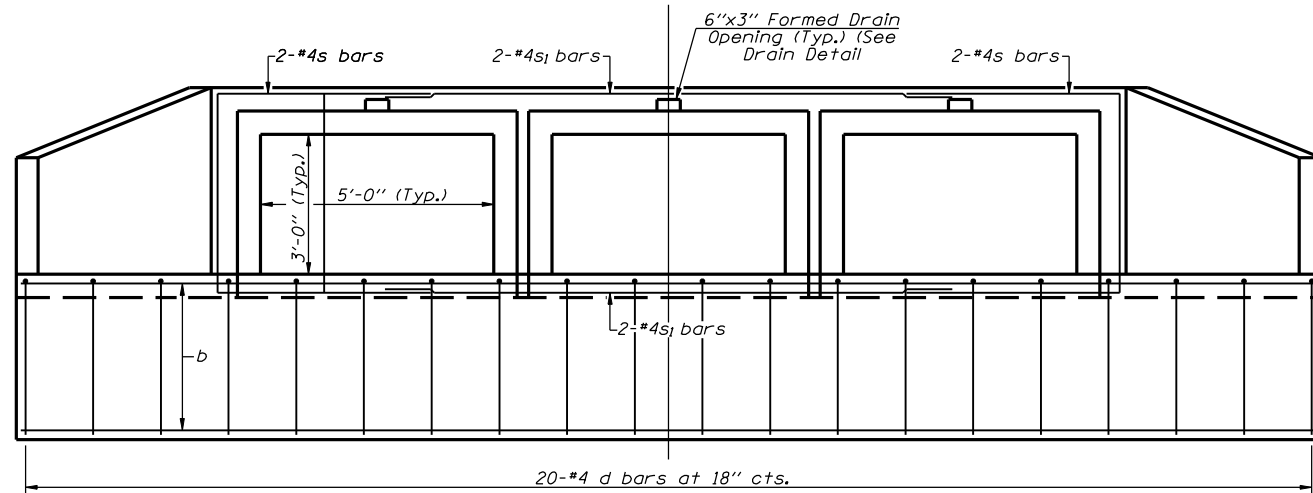


DETAIL II

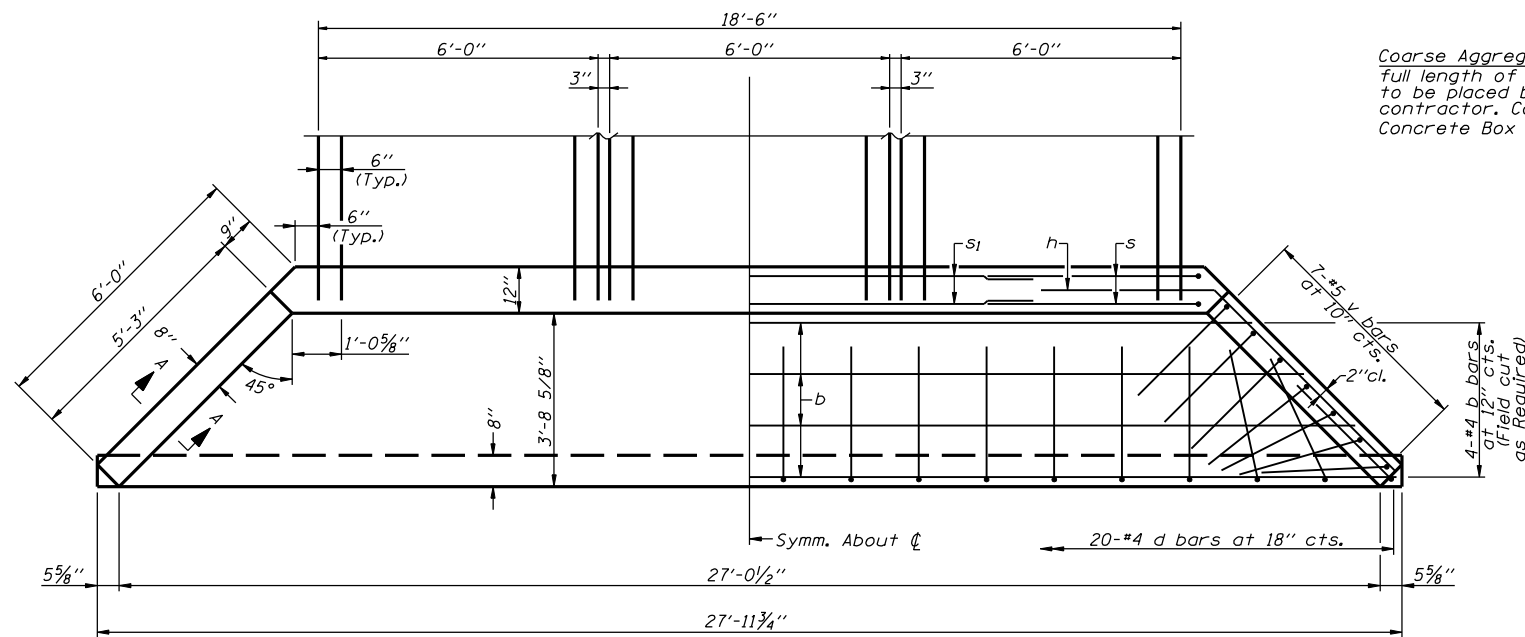
The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
IL ROUTE 104 OVER UNNAMED TRIBUTARY SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00.00
S.N. 011-7056

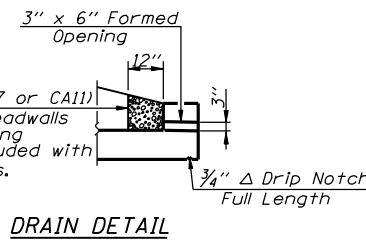


END ELEVATION

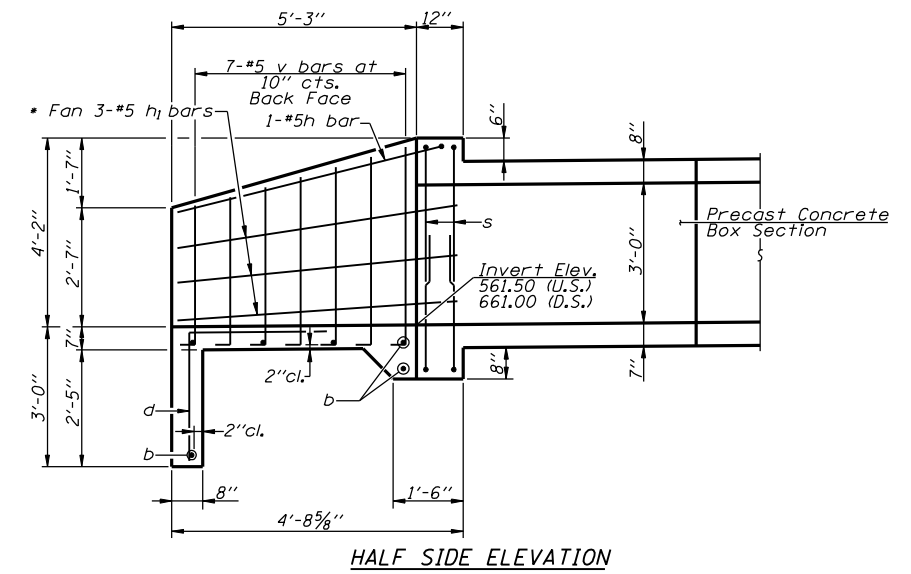


END PLAN

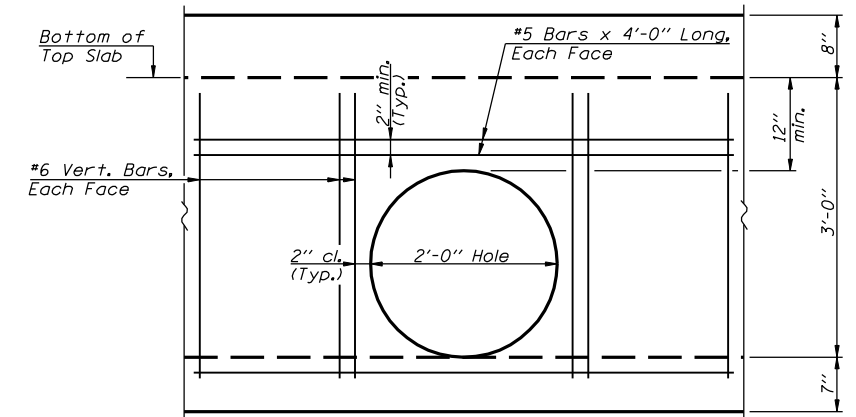
• Cut or bend to fit



DRAIN DETAIL



HALF SIDE ELEVATION

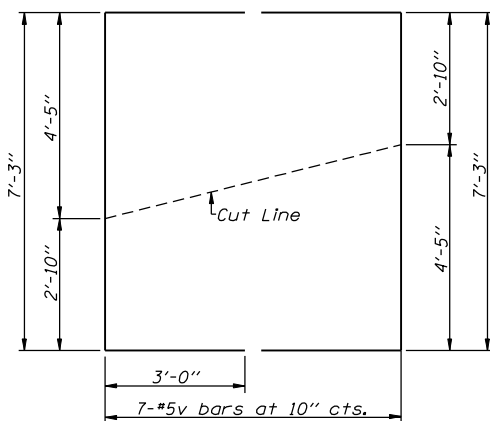


DETAIL A
 (See Sheet 1 of 6 for locations)

BILL OF MATERIAL
 TWO END SECTIONS

Bar	No.	Size	Length	Shape
b	12	#4	27'-7"	—
d	40	#4	5'-4"	┘
h	4	#5	8'-0"	┘
h ₁	12	#5	5'-8"	—
s	8	#4	13'-9"	┘
s ₁	8	#4	14'-3"	—
v	14	#4	13'-3"	┘
Concrete Box Culverts		Cu. Yd.	11.2	
Reinforcement Bars		Pound	740	

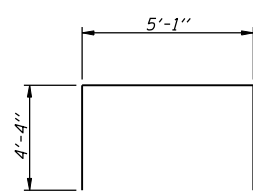
CULVERT DETAILS
 IL ROUTE 104 OVER UNNAMED TRIBUTARY
 SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00.00
 S.N. 011-7056



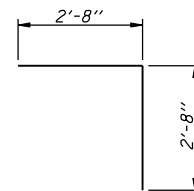
BAR v CUT DIAGRAM

Note: Order bars full length. Lay out in field as shown. Cut along cut line. Use remainder of v in opposite wing wall.

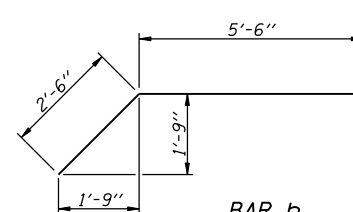
MIN. BAR LAP
 #4 - 1'-8"



BAR s



BAR d



BAR h



Illinois Department
of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 1

Date 7/18/06

Contract No. 72624
ROUTE NO. SECTION COUNTY TOTAL SHEET
F.A.P. 753 143RS-6 CHRISTIAN 127 86
ILLINOIS FED. AID PROJECT

Contract No. 72624 SHEET NO. 6
SHEET 16 OF 26 OF 6 SHEETS

ROUTE FAP 753 (IL 104) DESCRIPTION IL 104 over drainage ditch LOGGED BY M. Tappan

SECTION 143RS-6 LOCATION SE 1/4, SEC. 10, TWP. 13 N, RNG. 3 W, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. None Assigned
Station 150+00
BORING NO. 1
Station 150+09
Offset 14.0ft Lt
Ground Surface Elev. 566.2 ft

SOIL DESCRIPTION	(ft)	/ft	(tsf)	(%)	Surface Water Elev.	ft	D	B	U	M
Dark Grey Moist SILTY CLAY (Fill)	1				562.6					
	2	1.2		15	562.6					
	4	B								
	563.20									
V. Dark Grey Moist SILTY CLAY	1									
	2	1.5		29						
	2	B								
	-5									
	541.20									
Boring Completed										
Refer STA to STA 150+00, STA Increase to East										
Refer Elevation to STA 150+00 cL = 566.4'										
Brown and Grey	1									
	2	0.8		31						
	2	B								
	1									
	2	1.0		31						
	3	B								
	-10									
	555.20									
Grey Moist SILTY CLAY LOAM	1									
	2	1.2		17						
	4	B								
	552.70									
Grey Wet SAND LOAM	0									
Free Water	1	0.2		18						
	1	B								
	551.20									
Grey Medium Grained SAND	0									
	1									
	1									
	1									
	4									
	6									
	-20									
	-40									

File Name S:\SOILS\GINT FILES\CHRISTIAN\IL 104 CULVERT IN KINCAID STA 150+09.GVT Data Template D:\TEMP\T.GVT Data Printed 10/06
Location 89 Deg 36.016 N Longitude 89 Deg 24.894 W Datum NAD83 Job Number 198-658-01

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)

BORINGS
IL ROUTE 104 OVER UNNAMED TRIBUTARY
SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00.00
S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	87
STA. 147+00.00		TO STA. 147+77.40		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 17 OF 26

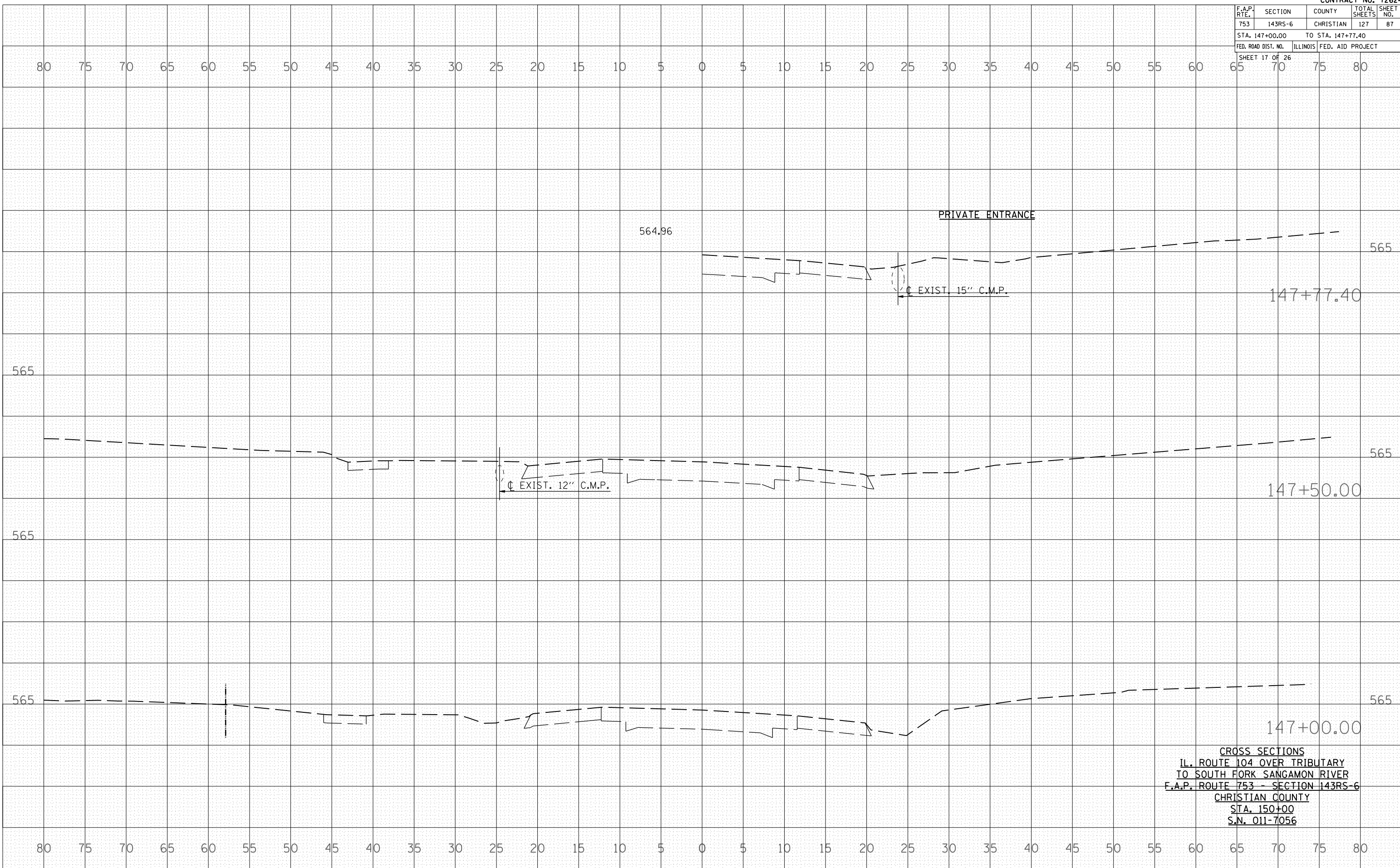
BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE	AREAS CHECKED

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 PLOT SCALE = 10.0000
 USER NAME = laughlin-1



CROSS SECTIONS
 IL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	88

STA. 148+00.00 TO STA. 148+50.00

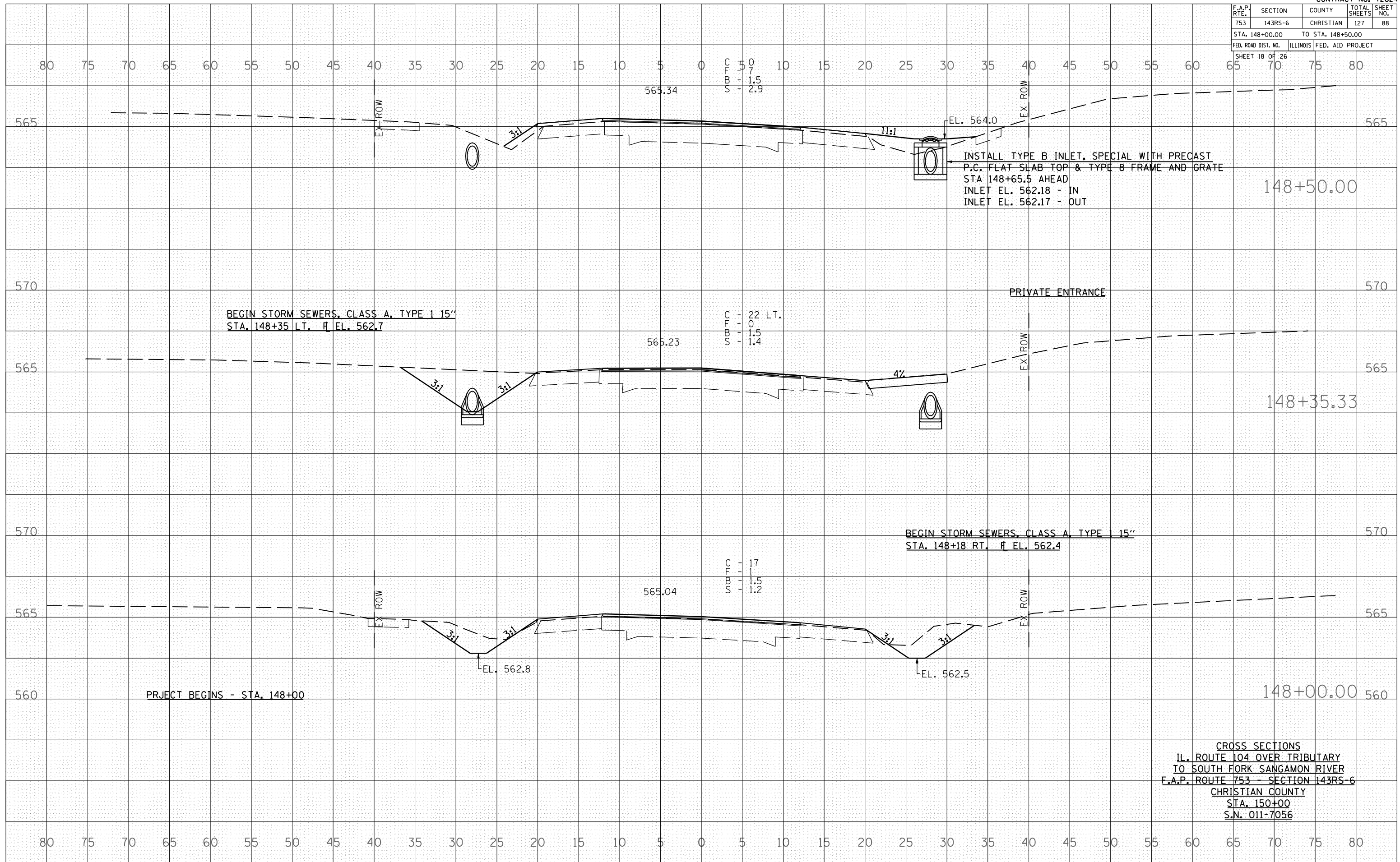
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
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SHEET 18 OF 26

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SURVEYED _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____
NO. _____

BY: _____ DATE: _____
SURVEYED _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____
NO. _____

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USER NAME = laughlin-1



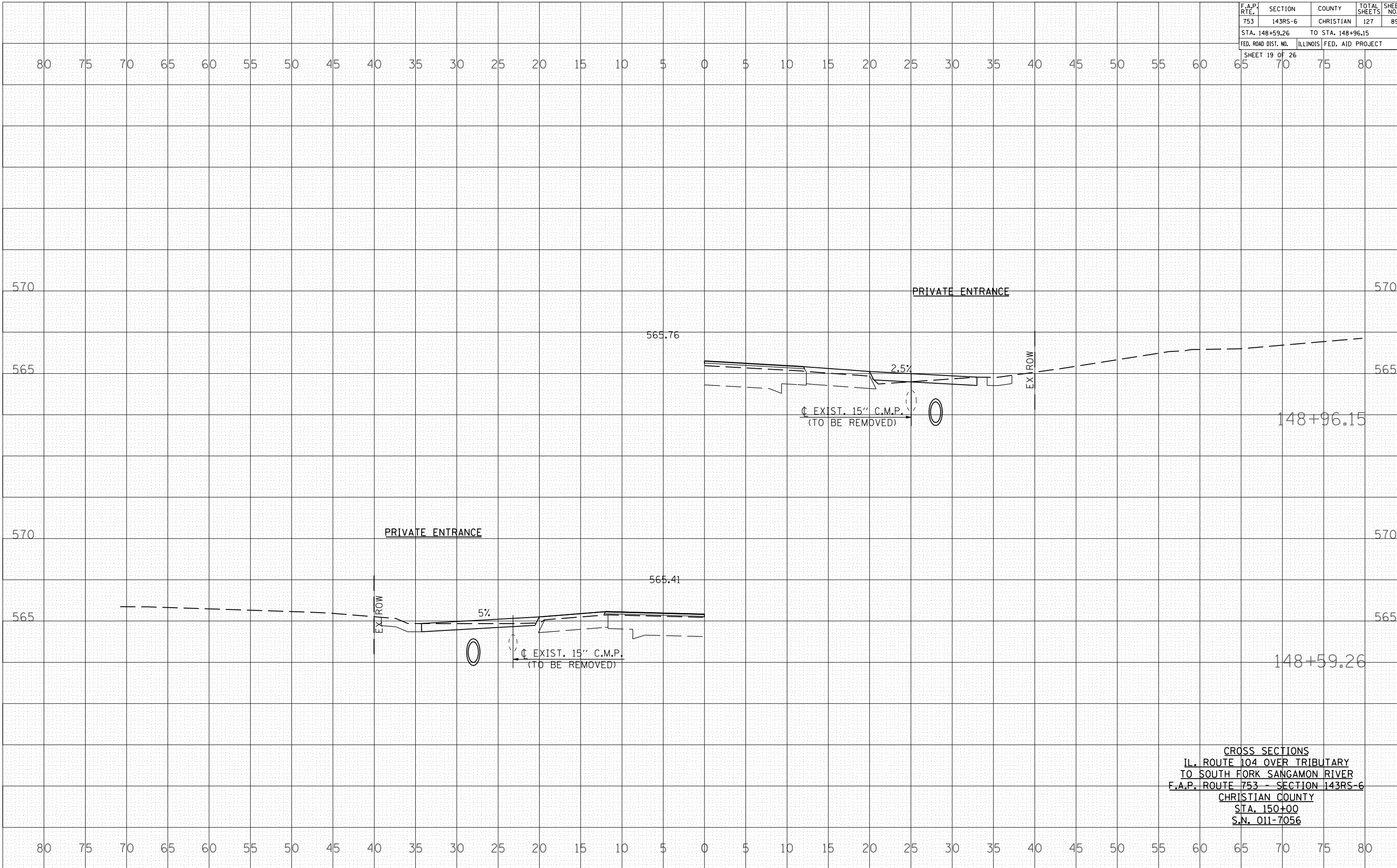
CROSS SECTIONS
IL. ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	89
STA. 148+59.26		TO STA. 148+96.15		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SHEET 19 OF 26				

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

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	AREAS CHECKED	

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CROSS SECTIONS
 IL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	90
STA. 149+00.00		TO STA. 149+25.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SHEET 20 OF 26				

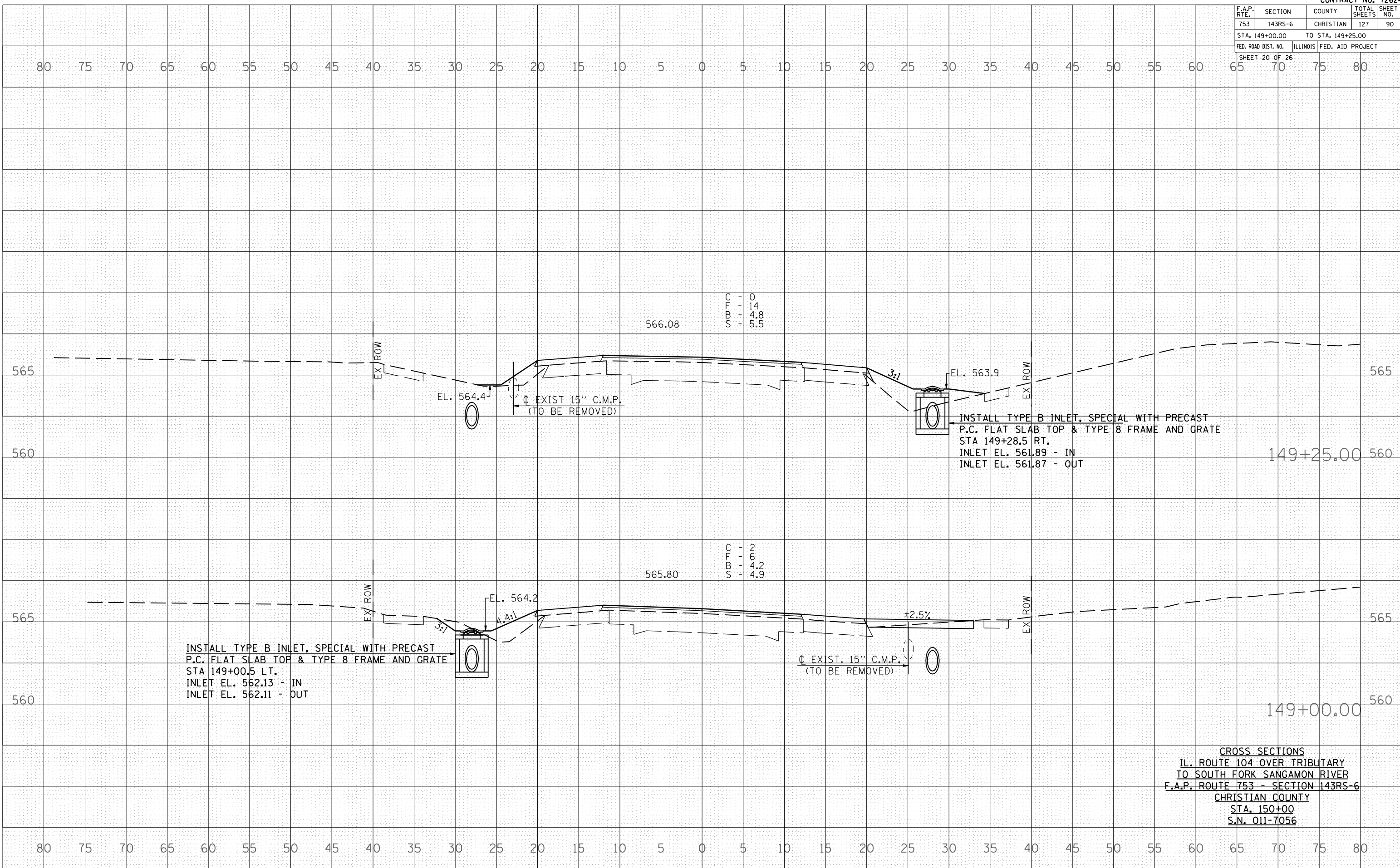
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BY	DATE

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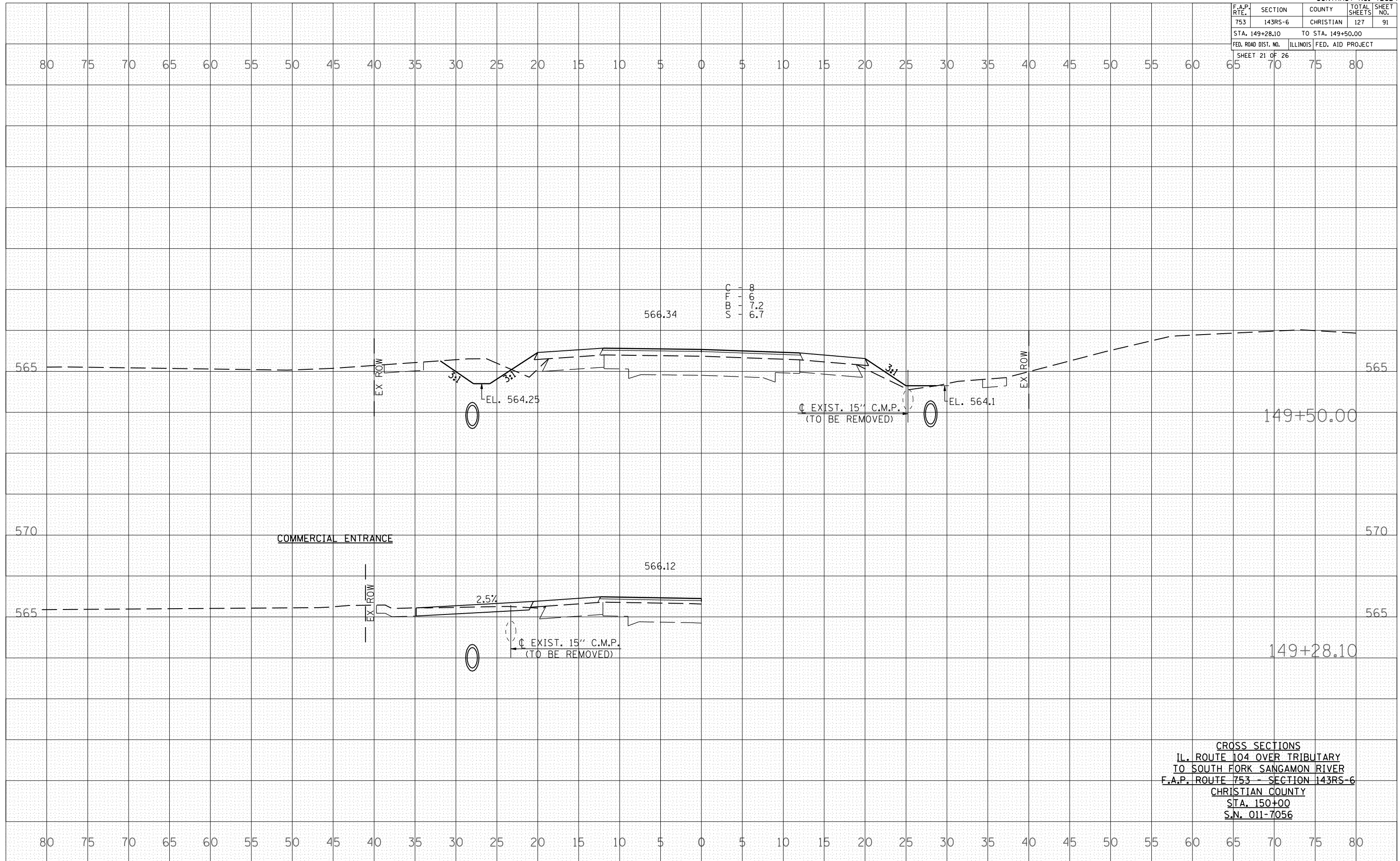
CROSS SECTIONS
IL. ROUTE 104 OVER TRIBUTARY
TO SOUTH FORK SANGAMON RIVER
F.A.P. ROUTE 753 - SECTION 143RS-6
CHRISTIAN COUNTY
STA. 150+00
S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	91
STA. 149+28.10		TO STA. 149+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SHEET 21 OF 26				

BY	DATE

BY	DATE

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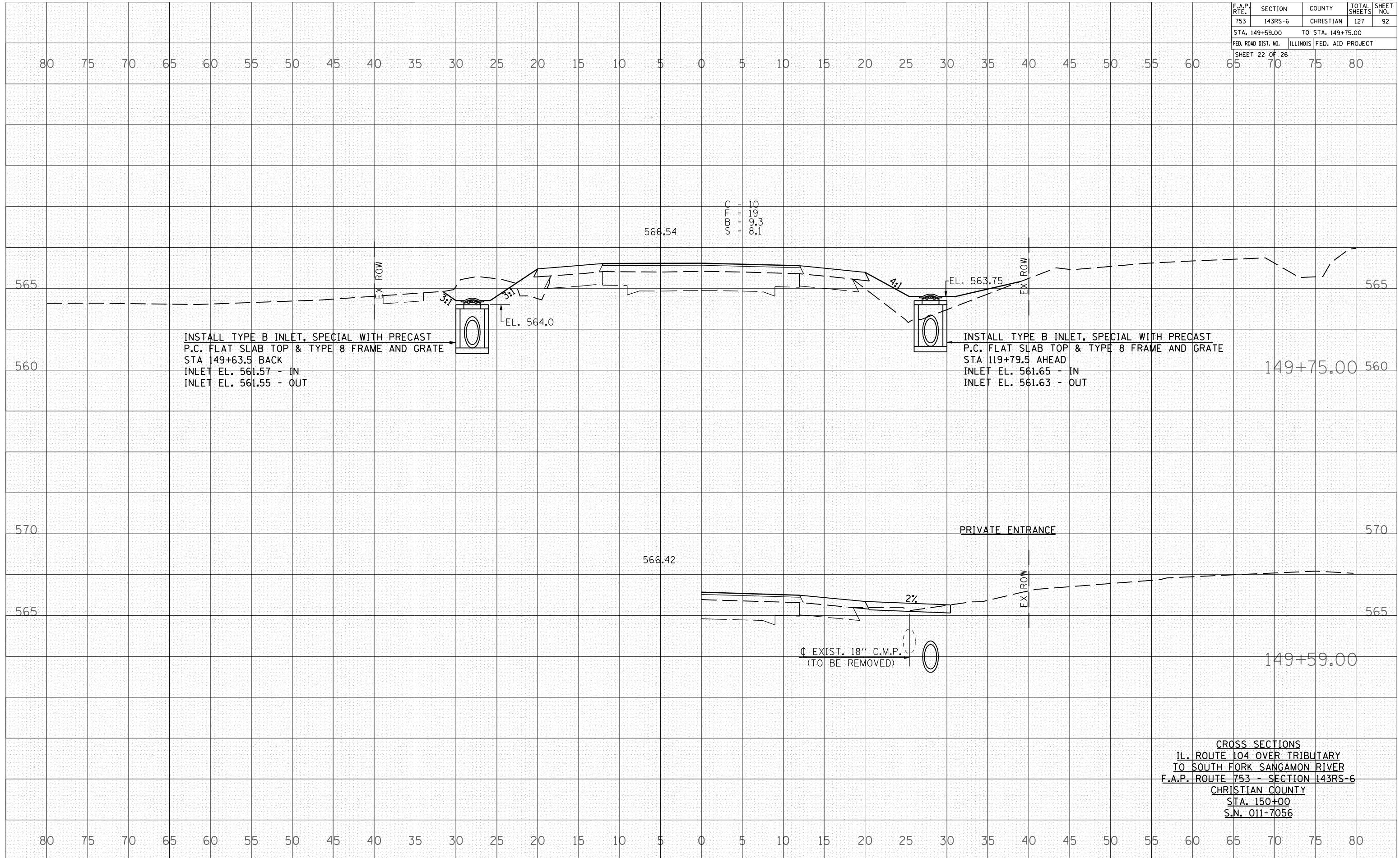
CROSS SECTIONS
 ILL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	92
STA. 149+59.00		TO STA. 149+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SHEET 22 OF 26				

DATE	
BY	
FINAL SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
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NOTE BOOK	
AREAS CHECKED	
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F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
53	143RS-6	CHRISTIAN	127	93
STA 150+00.00		TO STA 150+25.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SHEET 23 OF 26				

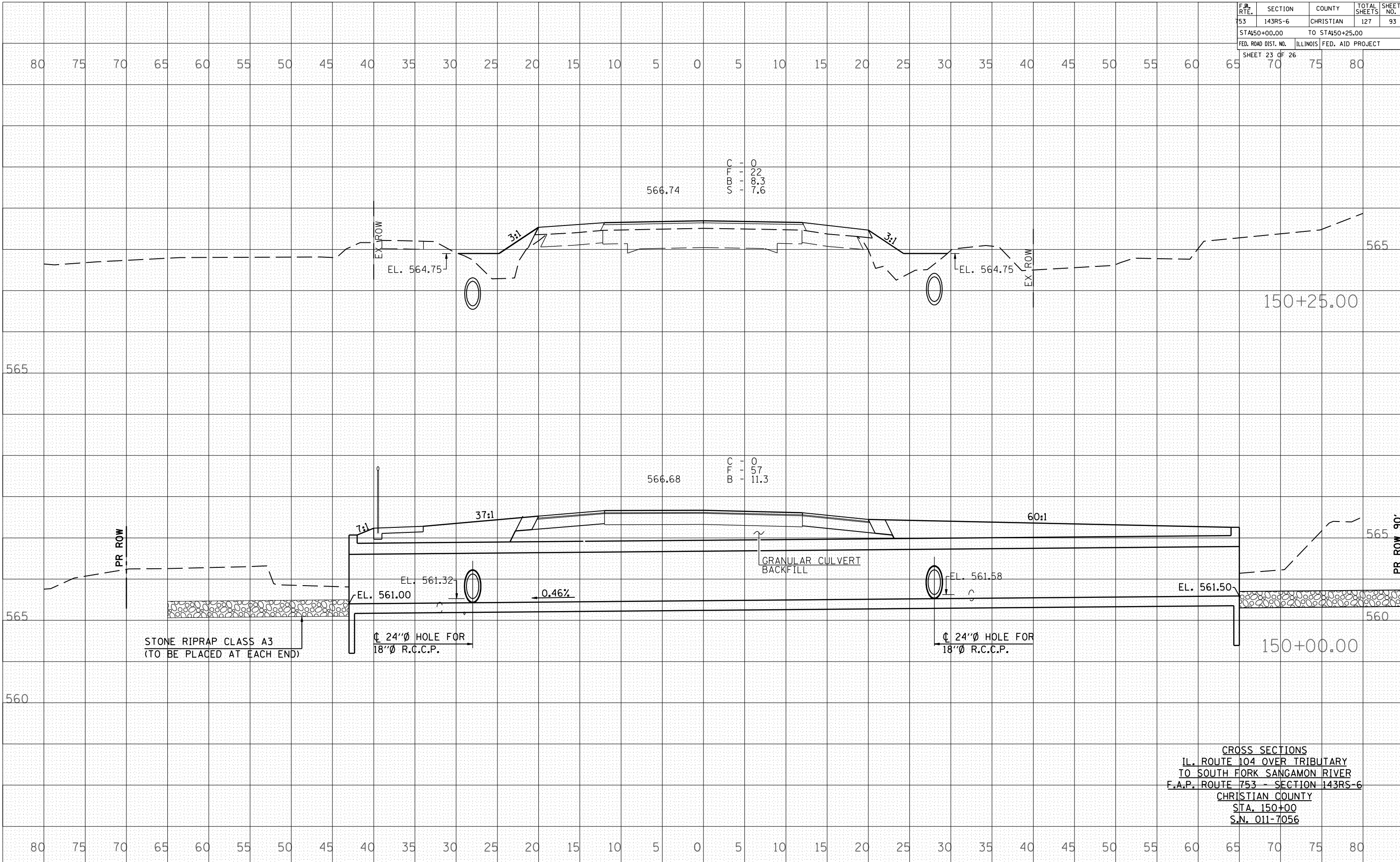
BY	DATE

NO.	AREAS CHECKED

BY	DATE

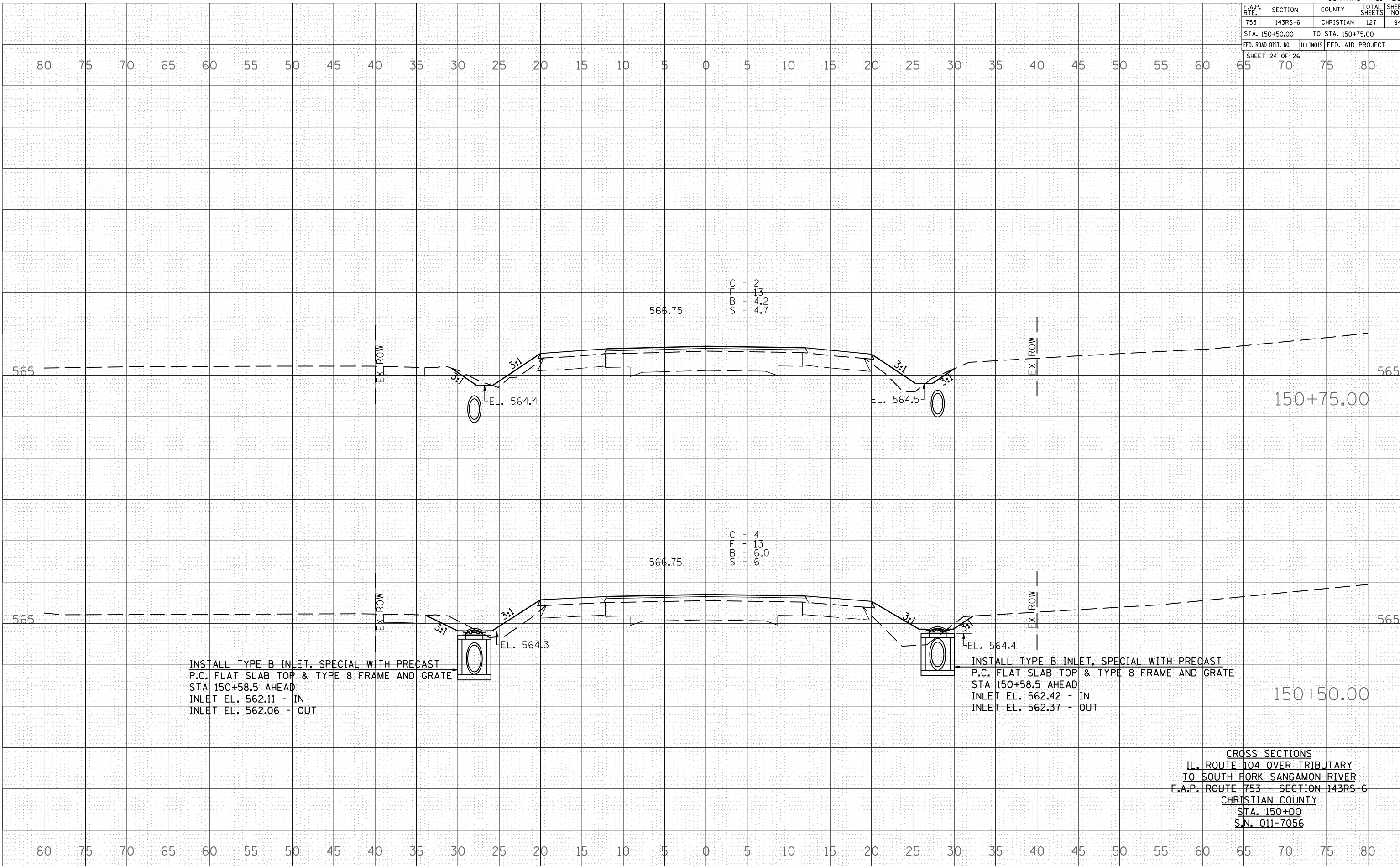
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CROSS SECTIONS
 ILL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	94
STA. 150+50.00		TO STA. 150+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SHEET 24 OF 26				



INSTALL TYPE B INLET, SPECIAL WITH PRECAST P.C. FLAT SLAB TOP & TYPE 8 FRAME AND GRATE
 STA 150+58.5 AHEAD
 INLET EL. 562.11 - IN
 INLET EL. 562.06 - OUT

INSTALL TYPE B INLET, SPECIAL WITH PRECAST P.C. FLAT SLAB TOP & TYPE 8 FRAME AND GRATE
 STA 150+58.5 AHEAD
 INLET EL. 562.42 - IN
 INLET EL. 562.37 - OUT

CROSS SECTIONS
 IL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 SURVEY: _____
 NOTE BOOK: _____
 NO. _____
 AREAS CHECKED: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 SURVEY: _____
 NOTE BOOK: _____
 NO. _____
 AREAS CHECKED: _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	95
STA. 151+00.00		TO STA. 151+15.03		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SHEET 25 OF 26				

BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE

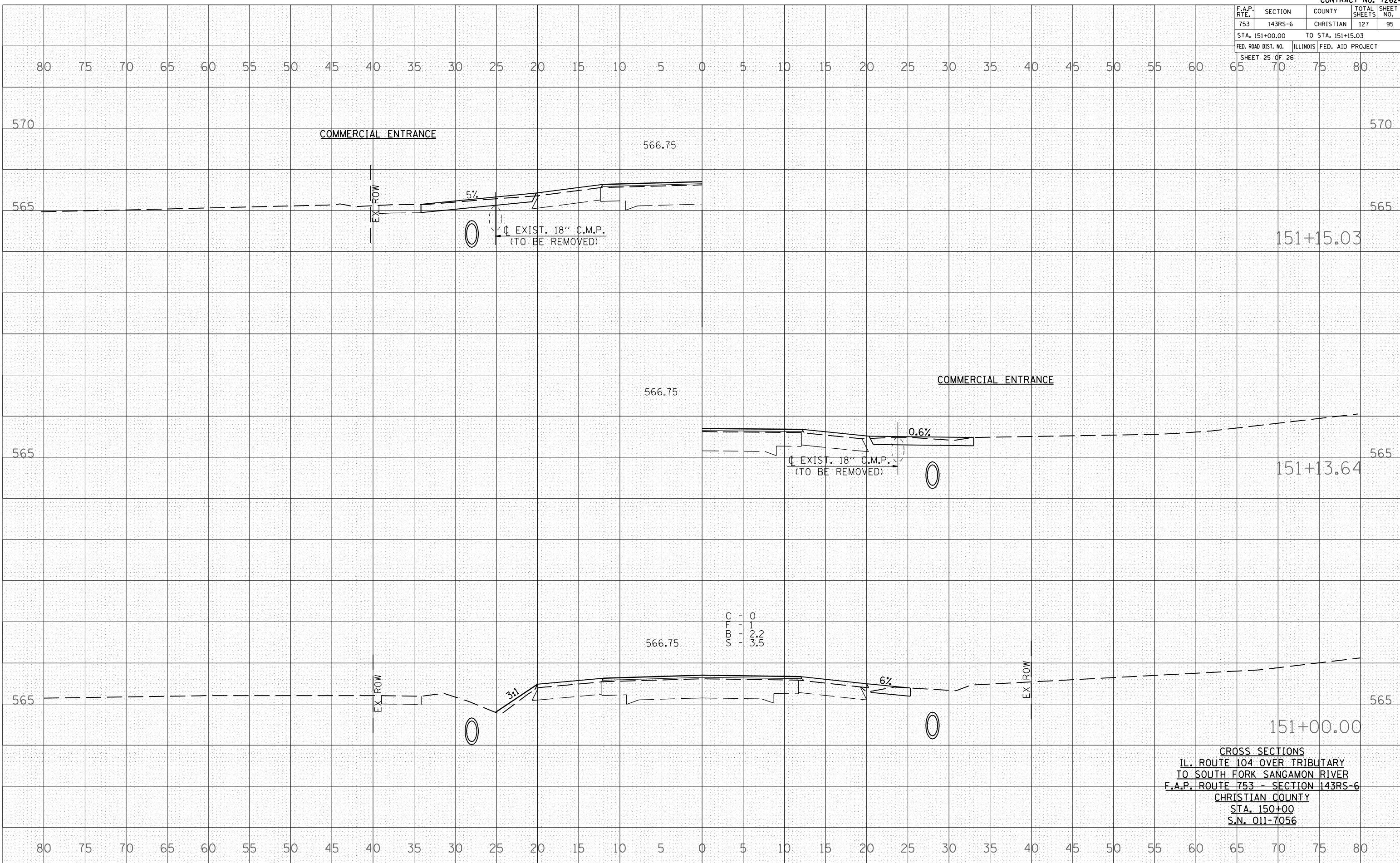
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BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE

NO.	AREAS CHECKED

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 USER NAME = laughlin-1



CROSS SECTIONS
 IL. ROUTE 104 OVER TRIBUTARY
 TO SOUTH FORK SANGAMON RIVER
 F.A.P. ROUTE 753 - SECTION 143RS-6
 CHRISTIAN COUNTY
 STA. 150+00
 S.N. 011-7056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	96
STA. 151+50.00		TO STA. 152+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SHEET 26 OF 26				

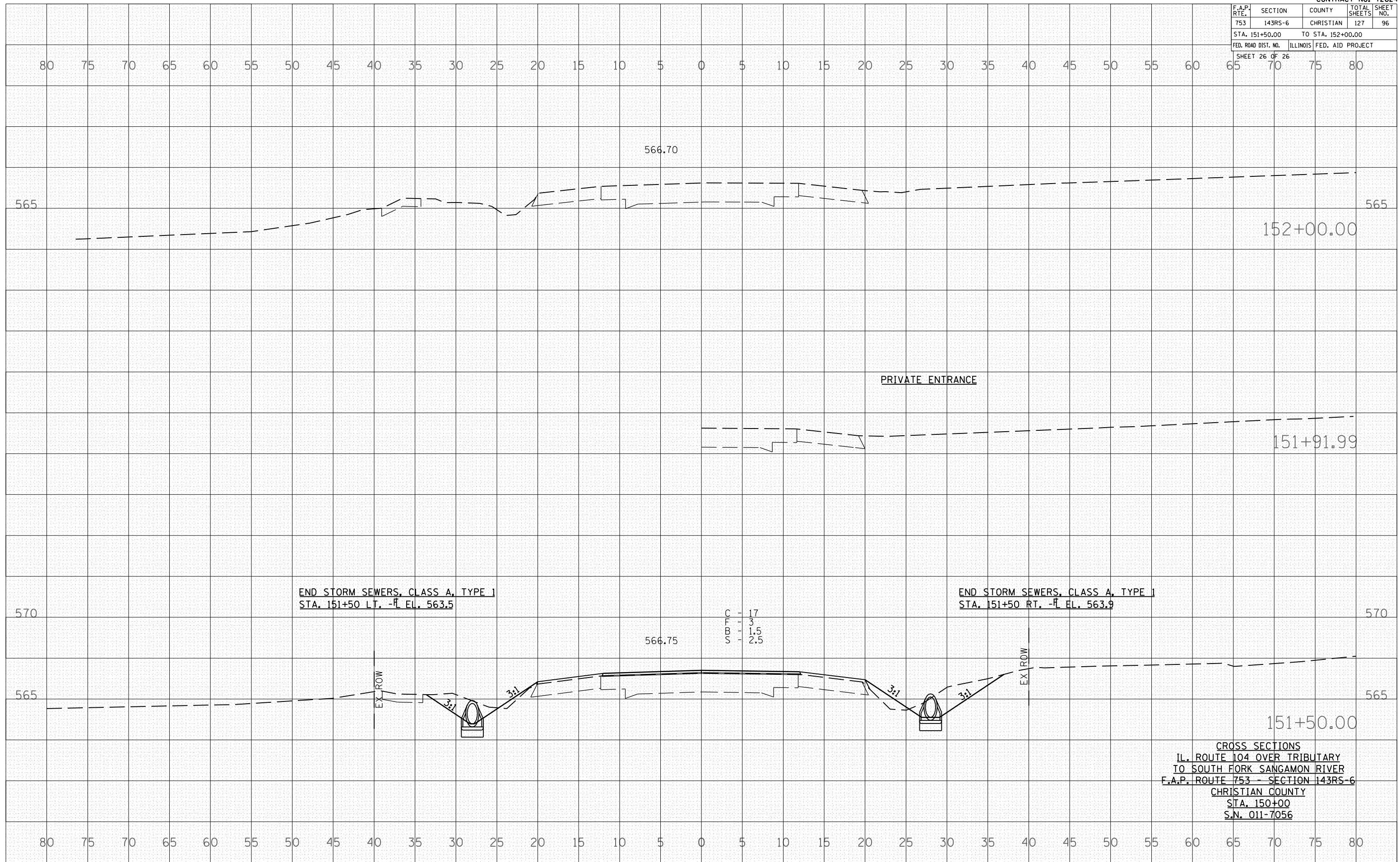
BY	DATE

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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE

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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	97
STA. 100+00.00		TO STA. 100+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE

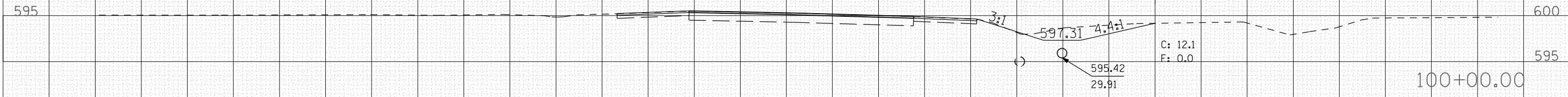
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BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE

NO.	AREAS CHECKED

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 USER NAME = laughlin-1



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	98
STA. 103+00.000		TO STA. 103+72.700		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

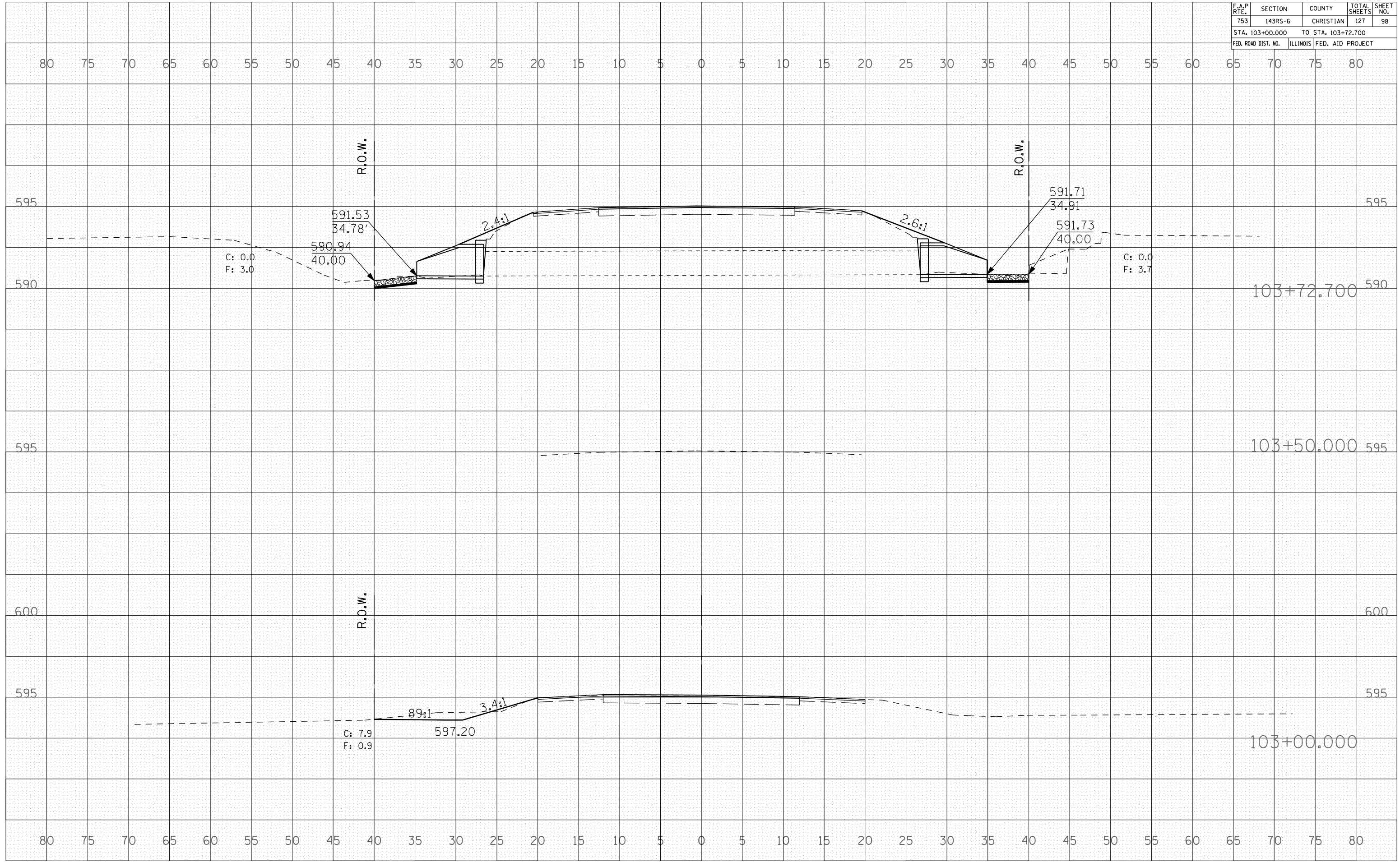
BY	DATE

FINAL SURVEY	SURVEYED
SURVEY PLOTTED	PLOTTED
NOTE BOOK NO.	NOTE BOOK NO.
AREAS CHECKED	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
SURVEY PLOTTED	PLOTTED
NOTE BOOK NO.	NOTE BOOK NO.
AREAS CHECKED	AREAS CHECKED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	99
STA. 104+00.000		TO STA. 104+50.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE

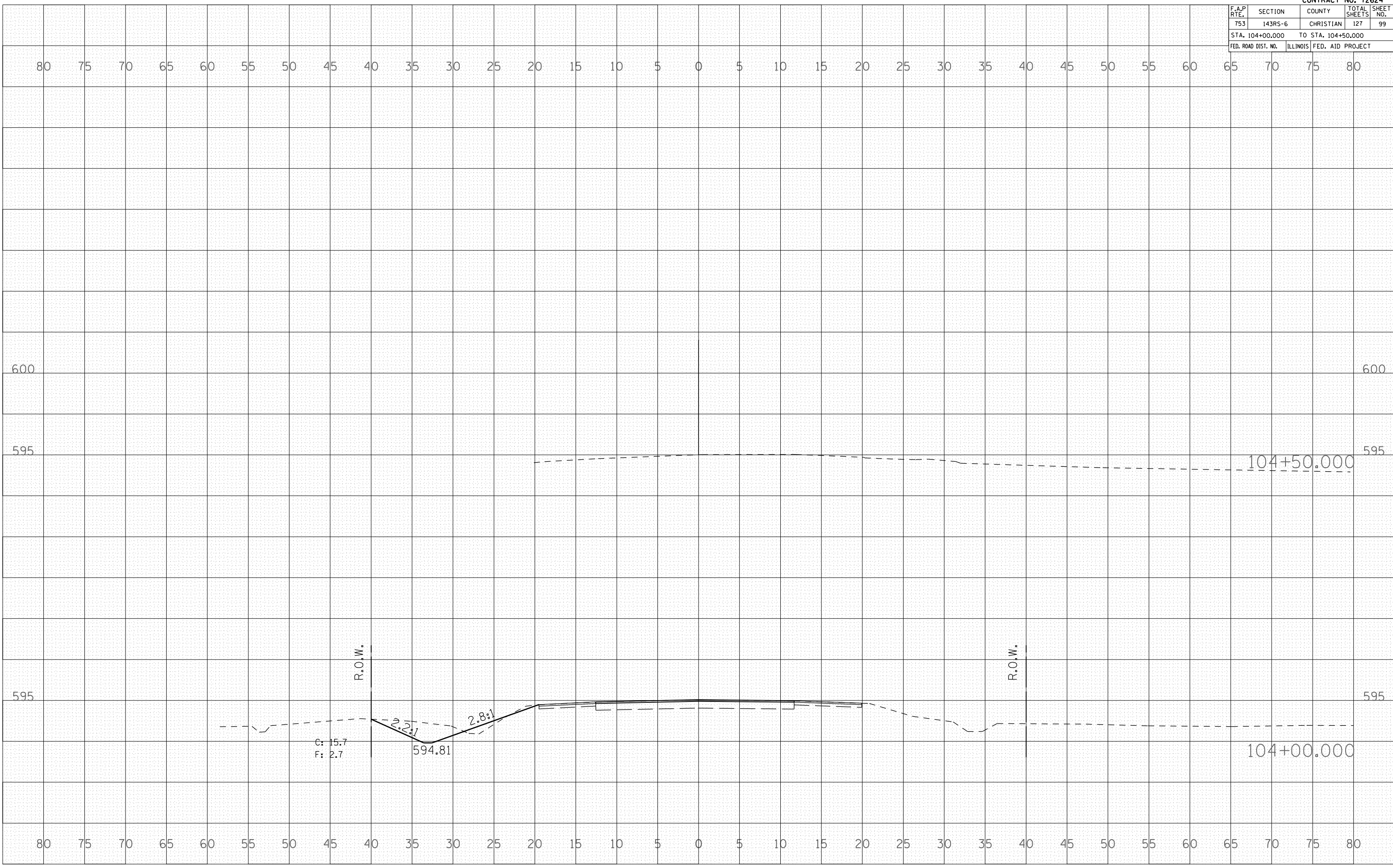
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BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE

NO.	NOTE BOOK	AREAS CHECKED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	143RS-6	CHRISTIAN	127	100
STA. 105+00.000		TO STA. 105+65.200		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

BY	DATE
ORIGINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK	
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