

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1, TS)	PIKE	55	1

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PROPOSED
HIGHWAY PLANS**

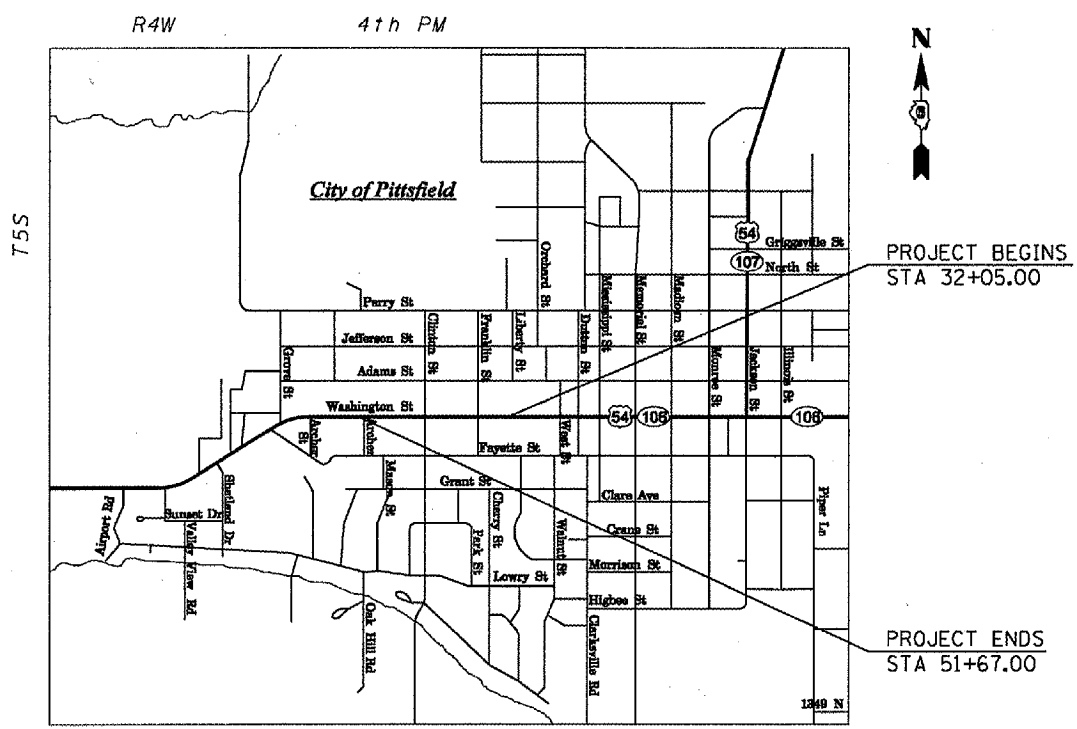
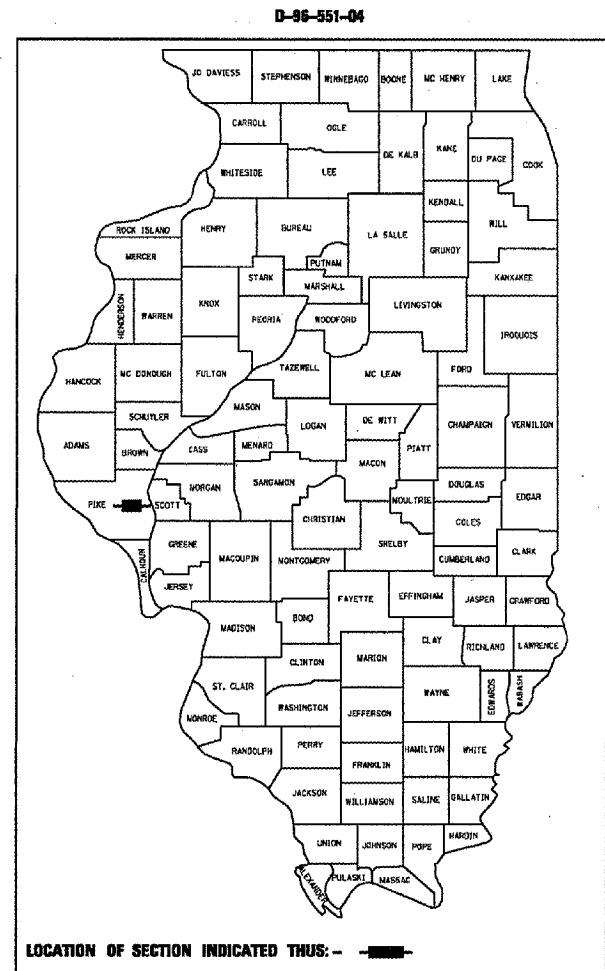
**FAP ROUTE 321 (US 54 /IL 106 /WASHINGTON ST)
SECTION 18(N-1, TS)
PROJECT # *HSIP-0321(013)*
PIKE COUNTY
C-96-502-09**

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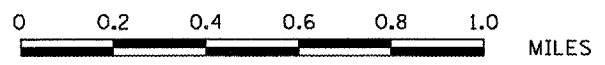
HIGHWAY STANDARDS

000001-05	606001-03	780001-01
353001-04	606201-01	781001-02
424001-05	701006-02	805001
442201-03	701301-02	814001-01
602301-01	701311-02	814006-01
602401-01	701501-04	857001
602701-01	701502-02	873001-01
604001-02	701801-03	877011-03
604021-01	701901	878001-06
604051-02	720016-01	880006



PROJECT BEGINS
STA 32+05.00

PROJECT ENDS
STA 51+67.00



SCALE

GROSS LENGTH OF PROJECT = 1,962.00 FEET = 0.37 MILES
NET LENGTH OF PROJECT = 1,962.00 FEET = 0.37 MILES

ADT = 9,200 (2005)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *[Signature]* 2007
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

[Signature]
Dec 7, 2007
ENGINEER OF DESIGN AND ENVIRONMENT

[Signature]
Dec 7, 2007
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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

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

CONTRACT NO. 72933

PIKE COUNTY SECTION 18(N-1, TS)

FAP 321 (US 54 /IL 106 /WASHINGTON ST)

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
SQUAD LEADER: ED KERN (217) 524-0472

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

- ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SODDED.
- CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION PROTECTION FOR THE DURATION OF THIS PROJECT.
- SODDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SODDED SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTIONS PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE THICKNESS OF HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT IS PLACED.
- 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 MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MATERIAL (PRIME COAT)	0.00038	TON/50 YD
HOT-MIX ASPHALT SURFACE COURSE	112	LBS/50 YD/IN
AGGREGATE (PRIME COAT)	0.002	TON/50 YD
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT.
- EVERY TREE SHALL BE SAVED IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER.
- IN ADDITION TO FIELD SURVEYS AND AERIAL 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 A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

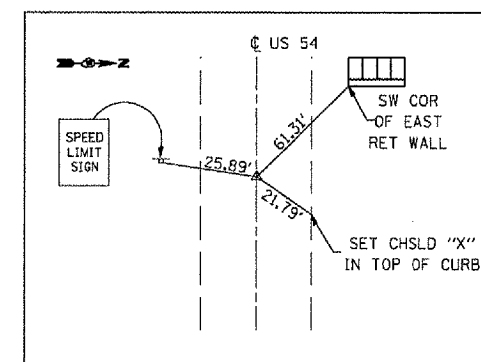
COMMITMENTS

- THE HOSPITAL PHARMACY SIGN LOCATED WITHIN THE LIMITS OF THE TEMPORARY EASEMENT AT THE N.W. CORNER OF FRANKLIN ST. IS TO REMAIN IN PLACE AND NOT BE DISTURBED DURING CONSTRUCTION OPERATIONS.

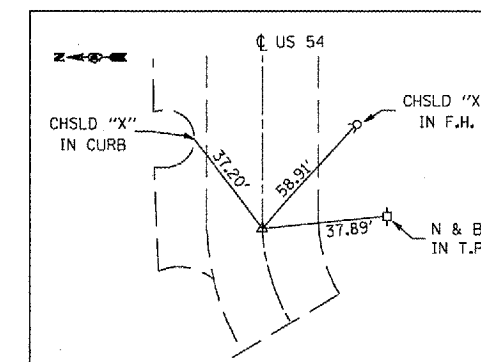
BENCHMARKS

- TJM #2 - STA 37+61 @ 42' RT. CHSLD [] IN CONC. CURB IN THE N.E. SECTION OF FRANKLIN ST. ELEV. = 734.20
- TJM #3 - STA 43+50 @ 32.48' RT. CHSLD "X" IN TOP S.E. BOLT OF FIRE HYDRANT IN N.E. SECTION OF CLINTON ST. ELEV. = 744.15
- TBM #1 - STA 49+83.58 @ 30.8' LT. CHSLD [] IN THIRD STEP IN FRONT OF MEFFORD CHIROPRACTIC ELEV. = 754.05
- TJM #4 - STA 55+63.9 @ 29.1' LT. CHSLD "X" IN TOP OF N.E. BOLT OF FIRE HYDRANT ON SOUTH SIDE OF WASHINGTON IN FRONT OF ALL PRO AUTO PARTS ELEV. = 756.19

CROSS-TIES



P.I. 106 STA 27+26.61
SET: CHSLD "X" IN TOP OF CURB



P.C. 200 STA 56+13.54
SET: PK NAIL IN CHSLD "X"

DISTRICT SIX	
EXAMINED <u>Sept 24</u> 20 <u>07</u>	<u>[Signature]</u>
OPERATIONS ENGINEER	
EXAMINED <u>Sept 20</u> 20 <u>07</u>	<u>[Signature]</u>
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>Oct 9</u> 20 <u>07</u>	<u>[Signature]</u>
PROGRAM DEVELOPMENT ENGINEER	

The following mixture requirements are applicable for this project:

Mixture Use(s)	Hot-Mix Asphalt Surface Course, Mix "D", N70	Hot-Mix Asphalt Binder Course, IL-19, N50	Incidental Hot-Mix Asphalt Surfacing
AC/PG:	SBS PG 70-22	PG 64-22	PG 64-22
RAP %: (Max)	N/A	N/A	N/A
Design Air Voids:	4.0 @ Ndesign = 70	4.0 @ Ndesign = 50	4.0 @ Ndesign = 50
Mixture Composition: (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 9.5 or 12.5
Friction Aggregate:	MIX "D"	N/A	MIX "C"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
FAP 321 (US 54)
Section: 18(N-1,TS)
Pike County
SCALE: _____ DRAWN BY TEC
DATE _____ CHECKED BY _____

PLOT DATE: 08-04-2007 03:38:18PM
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: laughlin-1

F.A.P. RY:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

LOCATION OF WORK				ROADWAY IMPROVEMENT	TRAFFIC SIGNALS
SUMMARY OF QUANTITIES				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	I000	Y031-1F
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	70	70	
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	33	33	
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6	6	
60255500	MANHOLES TO BE ADJUSTED	EACH	11	11	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2	
60406300	FRAMES AND LIDS, TYPE 5, CLOSED LID	EACH	4	4	
60603300	GUTTER OUTLET	EACH	4	4	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	667	667	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	8	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	500	500	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	7,290	7,290	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1,100	1,100	
72000200	SIGN PANEL - TYPE 2	SO FT	58		58
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	6,283	6,283	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	549	549	
78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - ^{INLAID-} LETTERS AND SYMBOLS	SO FT	312	312	
78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	1,007	1,007	
78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	106	106	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	102	102	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	102	102	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1		1
81012200	CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	84		84

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 321 (US 54/IL 106)
SECTION 18(N-1,TS)
PIKE COUNTY
SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY _____
CHECKED BY _____

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

LOCATION OF WORK				ROADWAY IMPROVEMENT	TRAFFIC SIGNALS
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% CITY
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	I000	Y031-1F
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	132		132
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	12		12
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	3		3
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	26		26
81021540	CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	3		3
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	66		66
81021560	CONDUIT, AUGERED 2 1/2" DIA., PVC	FOOT	71		71
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	110		110
81021580	CONDUIT, AUGERED 3 1/2" DIA., PVC	FOOT	54		54
81400100	HANDHOLE	EACH	3		3
81400300	DOUBLE HANDHOLE	EACH	1		1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	257		257
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4		4
83057120	LIGHT POLE, WOOD, 25 FOOT, CLASS 4	EACH	1		1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
86000100	MASTER CONTROLLER	EACH	1		1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	515		515
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	534		534
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	390		390
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	615		615
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	193		193
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	165		165
87301525	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 6 PAIR	FOOT	202		202
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	16		16
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2		2
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2		2
87702830	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.	EACH	2		2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES
NAME	DATE	
		FAP 321 (US 54/IL 106) SECTION 18(N-1,TS) PIKE COUNTY SCALE: VERT. DRAWN BY DATE HORIZ. CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

LOCATION OF WORK				ROADWAY IMPROVEMENT	TRAFFIC SIGNALS
SUMMARY OF QUANTITIES				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				I000	Y031-1F
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1		1
87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3		3
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40		40
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2		2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2		2
88102830	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	4		4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	6		6
88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12
88600100	DETECTOR LOOP, TYPE I	FOOT	1,469		1,469
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8
X0322032	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	16	16	
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	400		400
X8170245	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 12	FOOT	696		696

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

FAP 321 (US 54/IL 106)
SECTION 18(N-1,TS)
PIKE COUNTY

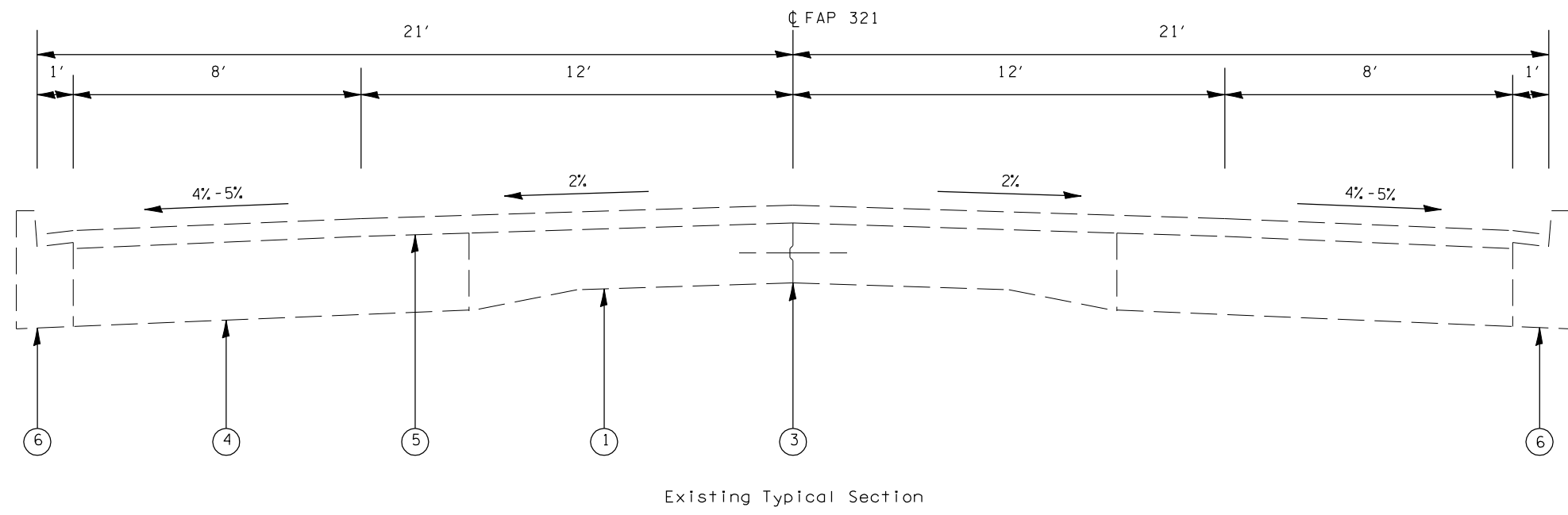
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DATE

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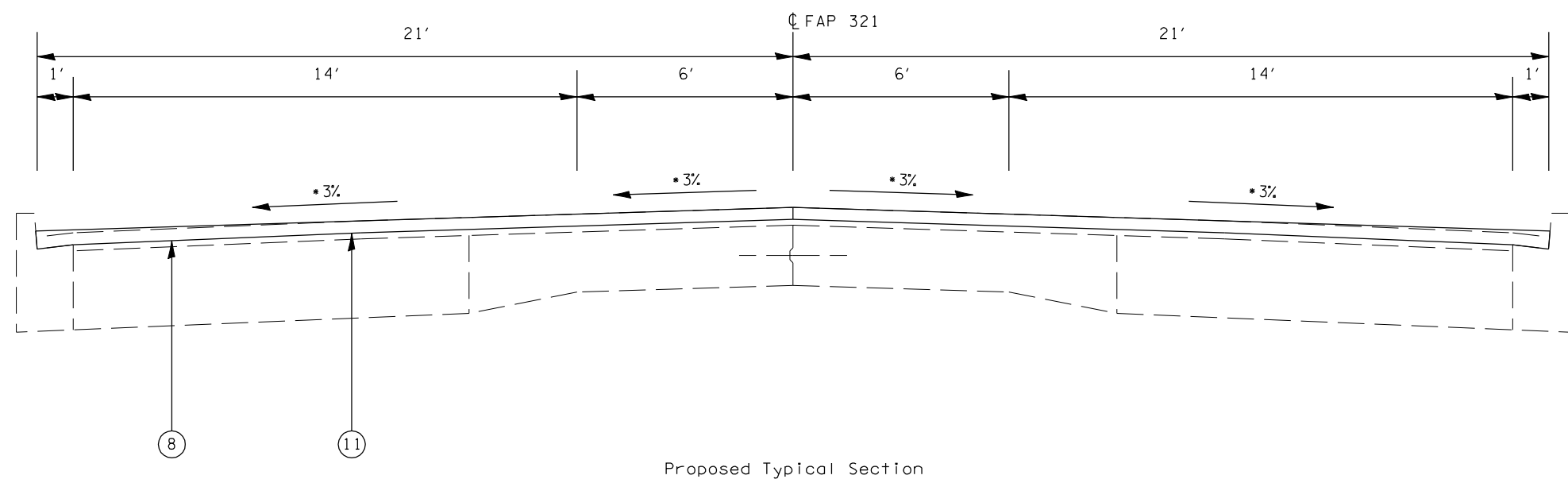
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Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Existing Typical Section



Proposed Typical Section

*Mainline Slope Transition
 Transition Milling/Paving Slopes From 3% to 2.5%

Sta 37+00	3.0%	Sta 42+80
Sta 37+50	2.5%	Sta 43+30
Sta 38+30	2.5%	Sta 44+00
Sta 38+80	3.0%	Sta 44+50

- ① EX PCC PAVEMENT (9-7-9)
- ② EX PCC PAVEMENT
- ③ EX 1/2" TIE BAR AND LONGITUDINAL METAL JOINT
- ④ EX PCC BASE COURSE WIDENING, 9"
- ⑤ EX HOT-MIX ASPHALT, 3" & VAR
- ⑥ EX COMB CONC CURB & GUTTER B-6.12
- ⑦ PR COMB CONC CURB & GUTTER B-6.12
- ⑧ PR HOT-MIX ASPHALT SURFACE REMOVAL 2"
- ⑨ PR HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH
- ⑩ PR HOT-MIX ASPHALT BINDER
- ⑪ PR HOT-MIX ASPHALT SURFACE COURSE 2"
- ⑫ PR HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ⑬ PR SUB-BASE GRANULAR MATERIAL, TYPE B

REVISIONS	
NAME	DATE

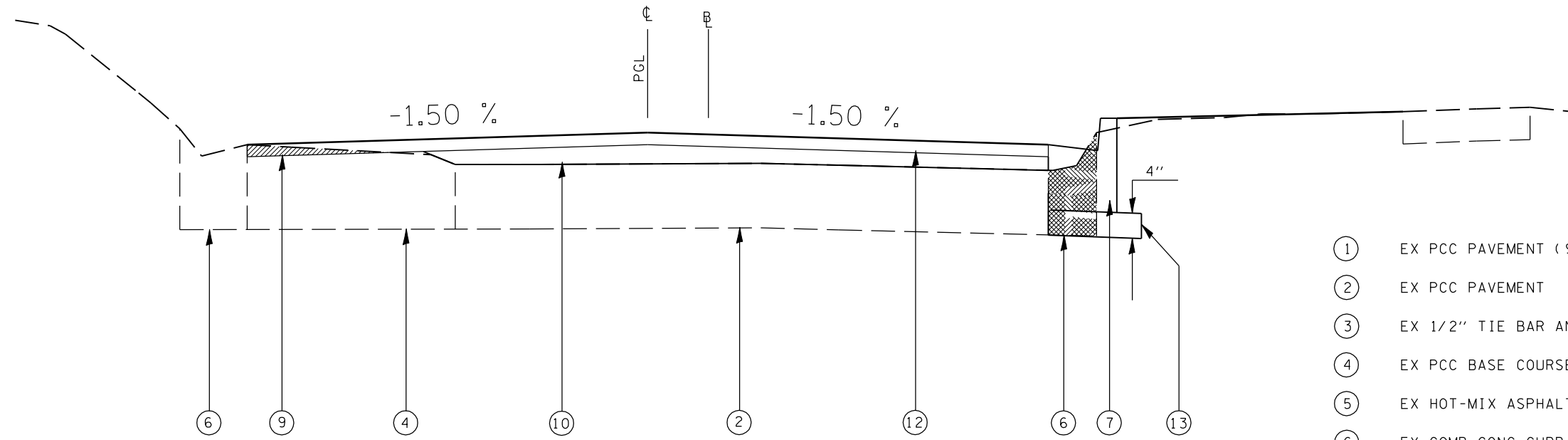
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 FAP 321 (US 54/IL 106/WASHINGTON ST)
 SECTION (18(N-1,TS))
 PIKE COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

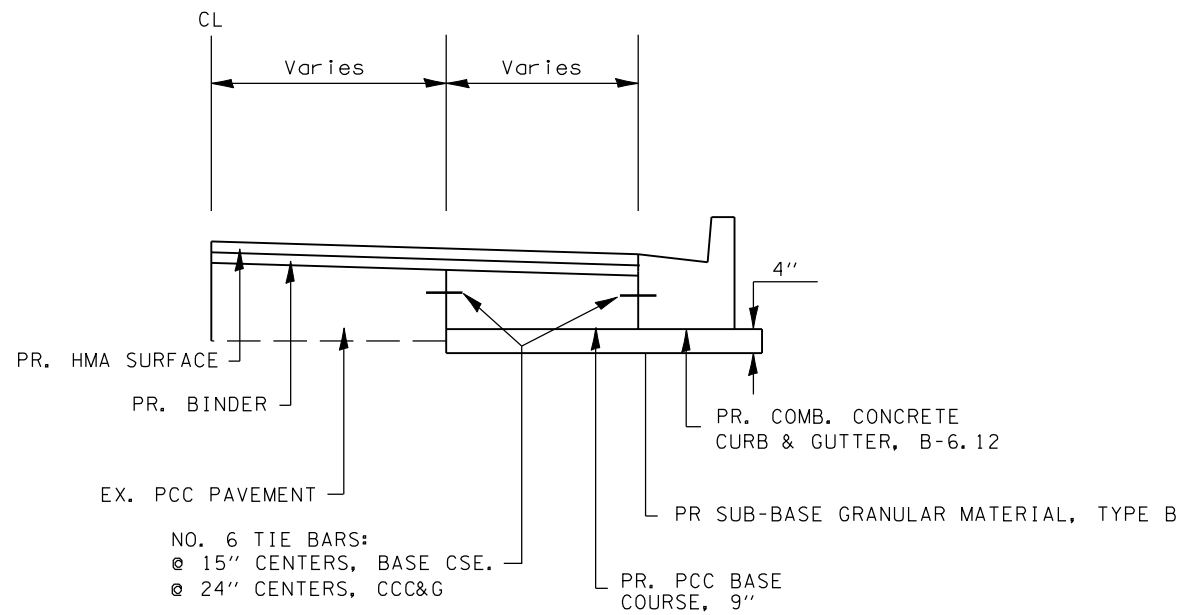
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Franklin St.
10+21 to 12+22

PCC BASE COURSE DETAIL



- ① EX PCC PAVEMENT (9-7-9)
- ② EX PCC PAVEMENT
- ③ EX 1/2" TIE BAR AND LONGITUDINAL METAL JOINT
- ④ EX PCC BASE COURSE WIDENING, 9"
- ⑤ EX HOT-MIX ASPHALT, 3" & VAR
- ⑥ EX COMB CONC CURB & GUTTER B-6.12
- ⑦ PR COMB CONC CURB & GUTTER B-6.12
- ⑧ PR HOT-MIX ASPHALT SURFACE REMOVAL 2"
- ⑨ PR HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH
- ⑩ PR HOT-MIX ASPHALT BINDER
- ⑪ PR HOT-MIX ASPHALT SURFACE COURSE 2"
- ⑫ PR HOT-MIX ASPHALT SURFACE COURSE, VAR. 1 1/2"
- ⑬ PR SUB-BASE GRANULAR MATERIAL, TYPE B

- EX CURB & GUTTER REMOVAL

NOTES:

- 1) ALL OF THE PCC BASE COURSE WILL BE PAID FOR AS PCC BASE COURSE, 9' REGARDLESS OF THE WIDTH.
- 2) MILLING OF THE CONCRETE PAVEMENT ON FRANKLIN ST. AND CLINTON ST. SHALL BE PAID FOR AS HMA SURFACE REMOVAL VARIABLE DEPTH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 FAP 321 (US 54/IL 106/WASHINGTON ST)
 SECTION (18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE : 04-04-2007 01:05:16PM
 FILE NAME : c:\projects\655184\hhttypical.dgn
 PLOT SCALE : 4.23525 / IN.
 USER NAME : laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	9

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

EARTHWORK SCHEDULE		1	2	3	4
		EARTH EXCAVATION (CUT)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
LOCATION		CU YD	CU YD	CU YD	CU YD
Franklin St.					
STA 9+25	TO STA 9+80	33	25	1	24
STA 10+21	TO STA 12+10	68	51	2	49
Clinton St.					
STA 9+22	TO STA 9+80	19	14	1	13
STA 10+20	TO STA 11+00	26	20	1	
TOTALS =		146	110	5	86

SODDING SCHEDULE		SODDING (SQ YD)	SUPPLEMENTAL WATERING (UNIT)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	AGR GROUND LIME (TON)
LOCATION							
Franklin St.							
LT STA 9+22	TO STA 9+78	89.22	4.46	1.11	1.11	1.11	0.04
RT STA 9+38	TO STA 9+78	41.46	2.07	0.51	0.51	0.51	0.02
LT STA 10+21	TO STA 10+61	82.17	4.11	1.02	1.02	1.02	0.03
RT STA 10+21	TO STA 10+61	46.76	2.34	0.58	0.58	0.58	0.02
RT STA 10+85	TO STA 11+51	13.29	0.66	0.16	0.16	0.16	0.01
Clinton St.							
LT STA 9+13	TO STA 9+78	85.47	4.27	1.06	1.06	1.06	0.04
RT STA 9+16	TO STA 9+78	43.98	2.20	0.55	0.55	0.55	0.02
LT STA 10+21	TO STA 11+45	36.86	1.84	0.46	0.46	0.46	0.02
RT STA 10+22	TO STA 10+83	93.36	4.67	1.16	1.16	1.16	0.04
TOTALS		532.54	26.62	6.61	6.61	6.61	0.24

SUB-BASE GRANULAR MATERIAL, TYPE B					
LOCATION					TONS
STA 9+32.30	TO STA 9+80.00	Franklin	LT		9.36
STA 9+49.00	TO STA 9+80.00	Franklin	RT		10.51
STA 10+20.00	TO STA 10+51.80	Franklin	LT		13.51
STA 10+20.00	TO STA 10+57.90	Franklin	RT		13.37
STA 9+22.00	TO STA 9+80.00	Clinton	LT		8.04
STA 9+22.00	TO STA 9+80.00	Clinton	RT		11.87
STA 10+20.00	TO STA 10+45.00	Clinton	LT		6.98
STA 10+20.00	TO STA 10+82.00	Clinton	RT		11.22
TOTAL					84.86

HMA SURFACE REMOVAL - BUTT JOINT						
LOCATION			LENGTH (FOOT)	PAVEMENT WIDTH (FOOT)	AREA (SQ YD)	
STA 35+29	LT	PE	9	18.3	19.47	
STA 36+20	RT	CE	9	25.2	30.62	
STA 36+83	LT	CE	9	32	35.58	
STA 41+53	LT	CE	9	15.2	21.79	
STA 42+89	LT	CE	9	26	29.91	
STA 46+05	LT	PE	9	9.8	10.41	
STA 47+09	RT	PE	9	13.9	14.23	
STA 47+98	LT	PE	9	30.4	31.87	
STA 48+38	RT	PE	9	10	10.83	
STA 49+70	RT	CE	9	20.7	20.60	
STA 50+70	RT	CE	9	48.4	53.46	
Franklin St.						
STA 10+73	RT	CE	9	24.5	27.33	
STA 11+67	RT	CE	9	30.1	36.87	
STA 12+10	RT	CE	9	17.5	23.89	
TOTAL					366.86	

PCC BASE COURSE, 9"					
LOCATION					AREA (SQ YD)
STA 9+32.30	TO STA 9+80.00	Franklin	LT		25.1
STA 9+49.00	TO STA 9+80.00	Franklin	RT		31.9
STA 10+20.00	TO STA 10+51.80	Franklin	LT		45.5
STA 10+20.00	TO STA 10+57.90	Franklin	RT		39.9
STA 9+22.00	TO STA 9+80.00	Clinton	LT		25.8
STA 9+22.00	TO STA 9+80.00	Clinton	RT		32.4
STA 10+20.00	TO STA 10+45.00	Clinton	LT		18.7
STA 10+20.00	TO STA 10+82.00	Clinton	RT		35.5
TOTAL					254.9

HMA REMOVAL, VARIABLE DEPTH				
LOCATION			PAVEMENT WIDTH (FOOT)	AREA (SQ YD)
Franklin St.				
STA 9+22.45	TO	STA 9+80.03	CADD	204.08
STA 10+19.97	TO	STA 12+76.77	CADD	780.07
Clinton St.				
STA 9+22.08	TO	STA 9+80.00	CADD	210.25
STA 10+19.88	TO	STA 11+00.00	CADD	238.14
TOTAL				1,432.54

HOT-MIX ASPHALT SURFACE REMOVAL 2"				
LOCATION			PAVEMENT WIDTH (FOOT)	AREA (SQ YD)
STA 32+05.47	TO	STA 50+28.00	42.0	8,505.14
STA 50+28.00	TO	STA 51+09.00	42.0 TO 36.0	351.00
STA 51+09.00	TO	STA 51+67.00	36.0	232.00
TOTAL				9,088.14

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP 321 (US 54/IL 106)
 SECTION 18(N-1,TS)
 PIKE COUNTY

SCALE: VERT. / HORIZ.
 DATE: / /

DRAWN BY: / /
 CHECKED BY: / /

PLOT DATE = 04-20-2007 01:05:20PM
 FILE NAME = c:\p\projects\655104\hshsch.dgn
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BITUMINOUS MATERIALS (PRIME COAT)						
LOCATION	PAVEMENT WIDTH (FOOT)		AREA (SQ YD)	TONS		
STA 32+05.47 TO STA 50+28.00	42.0		8,505.14	3.23		
STA 50+28.00 TO STA 51+09.00	42.0	36.0	351.00	0.13		
STA 51+09.00 TO STA 51+67.00	36.0		232.00	0.09		
Franklin St.						
STA 9+22.45 TO STA 9+80.03	VAR	CADD	202.84	0.08		
STA 10+19.97 TO STA 12+21.63	VAR	CADD	658.03	0.25		
Clinton St.						
STA 9+22.08 TO STA 9+80.00	VAR	CADD	210.25	0.08		
STA 10+19.88 TO STA 11+00.00	VAR	CADD	238.14	0.09		
ENTRANCES						
STA 33+13 RT CADD PE VAR			10.10	0.01		
STA 33+72 RT CADD PE VAR			9.09	0.01		
STA 35+29 LT CADD PE VAR			19.47	0.01		
STA 36+20 RT CADD CE VAR			30.62	0.01		
STA 36+83 LT CADD CE VAR			35.58	0.01		
STA 41+53 LT CADD CE VAR			21.79	0.01		
STA 41+60 RT CADD CE VAR			48.72	0.02		
STA 42+89 LT CADD CE VAR			29.91	0.01		
STA 44+92 LT CADD PE VAR			9.29	0.01		
STA 46+05 LT CADD PE VAR			10.41	0.01		
STA 47+09 RT CADD PE VAR			14.23	0.01		
STA 47+98 LT CADD PE VAR			31.87	0.01		
STA 48+38 RT CADD PE VAR			10.83	0.01		
STA 49+70 RT CADD CE VAR			20.60	0.01		
STA 50+70 RT CADD CE VAR			53.46	0.02		
Franklin St.						
STA 10+73 RT CADD CE VAR			27.33	0.01		
STA 11+67 RT CADD CE VAR			36.87	0.01		
STA 12+10 RT CADD CE VAR			23.89	0.01		
TOTAL				4.15		

AGGREGATE (PRIME COAT)						
LOCATION	PAVEMENT WIDTH (FOOT)		AREA (SQ YD)	TONS		
STA 32+05.47 TO STA 50+28.00	42.0		8,505.14	17.01		
STA 50+28.00 TO STA 51+09.00	42.0	36.0	351.00	0.70		
STA 51+09.00 TO STA 51+67.00	36.0		232.00	0.46		
Franklin St.						
STA 9+22.45 TO STA 9+80.03	VAR	CADD	202.84	0.41		
STA 10+19.97 TO STA 12+21.63	VAR	CADD	658.03	1.32		
Clinton St.						
STA 9+22.08 TO STA 9+80.00	VAR	CADD	210.25	0.42		
STA 10+19.88 TO STA 11+00.00	VAR	CADD	238.14	0.48		
ENTRANCES						
STA 33+13 RT CADD PE VAR			10.10	0.02		
STA 33+72 RT CADD PE VAR			9.09	0.02		
STA 35+29 LT CADD PE VAR			19.47	0.04		
STA 36+20 RT CADD CE VAR			30.62	0.06		
STA 36+83 LT CADD CE VAR			35.58	0.07		
STA 41+53 LT CADD CE VAR			21.79	0.04		
STA 41+60 RT CADD CE VAR			48.72	0.10		
STA 42+89 LT CADD CE VAR			29.91	0.06		
STA 44+92 LT CADD PE VAR			9.29	0.02		
STA 46+05 LT CADD PE VAR			10.41	0.02		
STA 47+09 RT CADD PE VAR			14.23	0.03		
STA 47+98 LT CADD PE VAR			31.87	0.06		
STA 48+38 RT CADD PE VAR			10.83	0.02		
STA 49+70 RT CADD CE VAR			20.60	0.04		
STA 50+70 RT CADD CE VAR			53.46	0.11		
Franklin St.						
STA 10+73 RT CADD CE VAR			27.33	0.05		
STA 11+67 RT CADD CE VAR			36.87	0.07		
STA 12+10 RT CADD CE VAR			23.89	0.05		
TOTAL				21.68		

HMA BINDER CSE, IL-19.0, N50					
LOCATION	AVG DEPTH (INCH)		PAVEMENT WIDTH (FOOT)	TONS	
Franklin St.					
STA 9+60.00 TO STA 9+64.45	1.0	12.9		0.36	
STA 9+64.45 TO STA 9+72.00	1.5	16.9		1.19	
STA 9+72.00 TO STA 9+80.00	1.0	20.8		1.04	
STA 10+45.00 TO STA 10+50.00	2.5	29.9		2.33	
STA 10+50.00 TO STA 10+72.88	3.5	28.1		14.00	
STA 10+72.88 TO STA 11+00.00	6.0	25.6		25.92	
STA 11+00.00 TO STA 11+30.00	4.0	23.9		17.85	
STA 11+30.00 TO STA 11+67.32	4.0	25.5		23.69	
STA 11+67.32 TO STA 12+10.08	4.0	26		27.67	
STA 12+10.08 TO STA 12+40.00	1.5	26		7.26	
Clinton St.					
STA 10+35.00 TO STA 10+37.97	1.0	12.2		0.23	
STA 10+37.97 TO STA 10+50.00	1.5	10.3		1.16	
STA 10+50.00 TO STA 10+55.00	1.0	10.3		0.32	
TOTAL				123.02	

POLY HMA SURF CSE, MIX"D", N70						
LOCATION	PAVEMENT WIDTH (FOOT)		PAVEMENT AREA (SQ YD)	TONS		
STA 32+05.47 TO STA 50+28.00	42.0		8,505.14	952.58		
STA 50+28.00 TO STA 51+09.00	42.0	36.0	351.00	39.31		
STA 51+09.00 TO STA 51+67.00	36.0		232.00	25.98		
Franklin St.						
STA 9+22.45 TO STA 9+80.03		CADD	204.08	17.14		
STA 10+19.97 TO STA 12+76.77		CADD	780.07	65.53		
Clinton St.						
STA 9+22.08 TO STA 9+80.00		CADD	210.25	17.66		
STA 10+19.88 TO STA 11+00.00		CADD	238.14	20.00		
TOTAL				1,138.20		

PLOT DATE = 04-04-2007 01:05:12PM
 FILE NAME = c:\p\projects\655184\hatsch.dgn
 PLOT SCALE = 1/8"=1'-0" / IN.
 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP 321 (US 54/IL 106)
 SECTION 18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. / HORIZ.
 DATE: / / DRAWN BY: / CHECKED BY: /

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INCIDENTAL HOT-MIX ASPHALT SURFACING						
LOCATION	LT/RT	SR/PE/CE/	PAVEMENT LENGTH (FOOT)	PAVEMENT WIDTH (FOOT)	PAVEMENT AREA (SQ YD)	TONS
STA 33+13	RT	PE	9	7.8	10.10	1.98
STA 33+72	RT	PE	9	9.2	9.09	1.78
STA 35+29	LT	PE	9	18.3	19.47	1.64
STA 36+20	RT	CE	9	25.2	30.62	2.57
STA 36+83	LT	CE	9	32	35.58	2.99
STA 41+53	LT	CE	9	15.2	21.79	1.83
STA 41+60	RT	CE	9	29.7	48.72	9.55
STA 42+89	LT	CE	9	26	29.91	2.51
STA 44+92	LT	PE	9	9.8	9.29	1.82
STA 46+05	LT	PE	9	9.8	10.41	0.87
STA 47+09	RT	PE	9	13.9	14.23	1.20
STA 47+98	LT	PE	9	30.4	31.87	2.68
STA 48+38	RT	PE	9	10	10.83	0.91
STA 49+70	RT	CE	9	20.7	20.60	1.73
STA 50+70	RT	CE	9	48.4	53.46	4.49
Franklin St.						
STA 10+73	RT	CE	9	24.5	28.89	3.34
STA 11+67	RT	CE	9	30.1	36.87	3.10
STA 12+10	RT	CE	9	17.5	23.89	2.01
TOTAL						47.00

TEMPORARY RAMP					
LOCATION			LENGTH (FOOT)	PAVEMENT WIDTH (FOOT)	AREA (SQ YD)
STA 32+05.00	TO	STA 32+11.67	6.67	42.0	31.13
STA 51+60.33	TO	STA 51+67.00	6.67	36.0	26.68
Franklin St.					
STA 9+22.45	TO	STA 9+27.45	5.0	20.0	11.11
STA 12+71.77	TO	STA 12+76.77	5.0	26.0	14.44
Clinton St.					
STA 9+22.00	TO	STA 9+27.00	5.0	25.0	13.89
STA 10+95.00	TO	STA 11+00.00	5.0	20.0	11.11
TOTAL					108.36

SIDEWALK REMOVAL						
LOCATION			LENGTH	WIDTH	AREA (SQ FT)	
STA 37+57	TO	STA 37+88	LT	31.0	3	93.0
STA 37+61	TO	STA 37+89	RT	28.0	4	112.0
STA 38+12	TO	STA 38+35	LT	23.0	3	69.0
STA 38+17	TO	STA 38+51	RT	34.0	4	136.0
STA 43+51	TO	STA 43+65	LT	14.0	3	42.0
STA 43+54	TO	STA 43+69	RT	15.0	4	60.0
STA 43+88	TO	STA 44+09	LT	21.0	3	63.0
STA 43+89	TO	STA 44+07	RT	18.0	4	72.0
STA 50+22	TO	STA 50+54	LT	33.0	3	99.0
Franklin St.						
STA 9+45	TO	STA 9+62	RT	17.0	3	51.0
STA 9+65	TO	STA 9+78	RT	13.0	3	39.0
STA 10+22	TO	STA 10+38	RT	16.0	2.5	40.0
STA 10+42	TO	STA 10+62	RT	20.0	4	80.0
Clinton St.						
STA 9+39	TO	STA 9+62	LT	23.0	2.5	57.5
STA 10+40	TO	STA 11+45	LT	105.0	2	210.0
TOTAL						1,223.5

PCC SIDEWALK, 4"						
LOCATION			LENGTH	WIDTH	AREA (SQ FT)	
STA 37+57.00	TO	STA 37+79.50	LT	22.5	6.0	135.0
STA 37+61.00	TO	STA 37+80.00	RT	19.0	6.0	114.0
STA 38+19.00	TO	STA 38+35.00	LT	16.0	6.0	96.0
STA 38+23.00	TO	STA 38+51.00	RT	28.0	6.0	168.0
STA 43+51.00	TO	STA 43+58.50	LT	7.5	6.0	45.0
STA 43+54.00	TO	STA 43+62.00	RT	8.0	6.0	48.0
STA 43+94.00	TO	STA 44+09.00	LT	15.0	6.0	90.0
STA 43+93.00	TO	STA 44+07.00	RT	14.0	6.0	84.0
Franklin St.						
STA 9+45.50	TO	STA 9+57.00	RT	12.0	5.0	60.0
STA 9+57.00	TO	STA 9+62.00	RT	5.0	6.0	30.0
STA 9+67.00	TO	STA 9+72.00	RT	5.0	6.0	30.0
STA 9+67.00	TO	STA 9+74.50	LT	7.5	6.0	45.0
STA 10+28.00	TO	STA 10+36.50	RT	8.5	6.0	51.0
STA 10+35.00	TO	STA 10+48.00	RT	13.0	6.0	78.0
STA 10+48.00	TO	STA 10+62.00	RT	15.8	6.0	94.8
STA 10+31.00	TO	STA 10+37.00	LT	6.0	6.0	36.0
Clinton St.						
STA 9+39.50	TO	STA 9+61.00	LT	22.6	2.5	56.5
STA 9+22.00		STA 9+62.00	RT	40.0	4.0	160.0
TOTAL						1421.3

DETECTABLE WARNINGS			
LOCATION	LENGTH	WIDTH	AREA (SQ FT)
Franklin St.			
NW QUAD	2	5	10.0
NW QUAD	2	5	10.0
NE QUAD	2	5	10.0
NE QUAD	2	5	10.0
SW QUAD	2	5	10.0
SW QUAD	2	5	10.0
SE QUAD	2	5	10.0
SE QUAD	2	5	10.0
Clinton St.			
NW QUAD	2	5	10.0
NE QUAD	2	5	10.0
SW QUAD	2	5	10.0
SE QUAD	2	5	10.0
TOTAL			120.0

PAVEMENT REMOVAL		AREA (SQ YD)	
LOCATION			
Franklin St.			
LT STA 10+20	TO	STA 10+42	10.6
Clinton St.			
LT STA 9+80	TO	STA 9+65	7.2
RT STA 9+79	TO	STA 9+65	6.9
LT STA 10+21	TO	STA 10+36	4.2
RT STA 10+21	TO	STA 10+36	8.8
TOTAL		37.8	

DRIVEWAY PAVEMENT REMOVAL		AREA (SQ YD)	
LOCATION			
Franklin St.			
STA 9+22.45	TO	STA 9+62.35	92.2
TOTAL		92.2	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP 321 (US 54/IL 106)
 SECTION 18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. / HORIZ.
 DATE: / / DRAWN BY: / CHECKED BY: /

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

THERMOPLASTIC PAVEMENT MARKING - LINE 5"				
LOCATION	COLOR / DESCRIPTION	# OF LINES	LENGTH (FOOT)	
STA 32+05 TO STA 36+43	WHITE/EDGE	1	438.0	
STA 32+05 TO STA 35+61	WHITE/EDGE	1	356.0	
STA 32+05 TO STA 33+25	YELLOW/SKIP DASH	1	30.0	
STA 33+25 TO STA 36+43	YELLOW/SOLID	4	1,272.0	
STA 36+43 TO STA 37+58	YELLOW/SOLID	2	230.0	
STA 38+45 TO STA 39+60	YELLOW/SOLID	2	230.0	
STA 39+60 TO STA 40+31	YELLOW/SOLID	4	284.0	
STA 40+31 TO STA 41+72	YELLOW/SOLID	2	282.0	
STA 40+31 TO STA 41+72	YELLOW/SKIP DASH	2	80.0	
STA 41+72 TO STA 42+43	YELLOW/SOLID	4	284.0	
STA 42+43 TO STA 43+43	YELLOW/SOLID	2	200.0	
STA 44+23 TO STA 45+23	YELLOW/SOLID	2	200.0	
STA 45+23 TO STA 45+93	YELLOW/SOLID	4	280.0	
STA 45+93 TO STA 47+63	YELLOW/SOLID	2	340.0	
STA 45+93 TO STA 47+63	YELLOW/SKIP DASH	2	80.0	
STA 47+63 TO STA 49+35	YELLOW/SOLID	4	688.0	
STA 49+35 TO STA 50+35	YELLOW/SOLID	2	200.0	
STA 51+15 TO STA 51+67	YELLOW/SOLID	2	104.0	
STA 51+15 TO STA 51+67	YELLOW/SKIP DASH	2	20.0	
Franklin St.				
STA 9+22 TO STA 9+53	YELLOW/SOLID	2	62.0	
STA 10+48 TO STA 12+77	YELLOW/SOLID	2	458.0	
STA 11+02 TO STA 12+34	WHITE/EDGE	1	132.0	
Clinton St.				
STA 9+22 TO STA 9+55	WHITE/EDGE	1	33.0	
TOTAL			6,283.0	

THERMOPLASTIC PAVEMENT MARKING - LINE 12"						
LOCATION	DESCRIPTION	COLOR	LENGTH (FOOT)			
STA 32+05 TO STA 36+43	DIAGONALS	WHITE	165.5			
STA 32+05 TO STA 35+61	DIAGONALS	WHITE	139.9			
STA 33+25 TO STA 36+43	DIAGONALS	YELLOW	106.6			
STA 39+72 TO STA 40+27	DIAGONALS	YELLOW	25.5			
STA 41+76 TO STA 42+28	DIAGONALS	YELLOW	26.1			
STA 45+37 TO STA 45+90	DIAGONALS	YELLOW	26.9			
STA 48+66 TO STA 49+18	DIAGONALS	YELLOW	28.0			
Franklin St.						
STA 11+02 TO STA 12+34	DIAGONALS	WHITE	26.5			
Clinton St.						
STA 9+22 TO STA 9+55	DIAGONALS	WHITE	4.3			
TOTAL			549.3			

RAISED REFLECTIVE PAVEMENT MARKER						
LOCATION	DESCRIPTION	ONE-WAY AMBER	TWO-WAY AMBER	ONE-WAY CRYSTAL		
STA 32+05 TO STA 33+14	SKIP DASH		1			
STA 33+14 TO STA 36+35	GORE AREA	18				
STA 36+43 TO STA 37+58	CL		6			
STA 36+43 TO STA 37+58	LANE LINE			3		
STA 38+45 TO STA 39+60	CL		6			
STA 38+45 TO STA 39+60	LANE LINE			3		
STA 39+60 TO STA 42+43	TWLTL	14				
STA 42+43 TO STA 43+43	CL		6			
STA 42+43 TO STA 43+43	LANE LINE			3		
STA 44+23 TO STA 45+23	CL		6			
STA 44+23 TO STA 45+23	LANE LINE			3		
STA 45+23 TO STA 49+35	TWLTL	20				
STA 49+35 TO STA 50+35	CL		6			
STA 49+35 TO STA 50+35	LANE LINE			3		
STA 51+15 TO STA 51+67	TWLTL		4			
TOTALS		52	35	15		
JOB TOTAL		102	EACH			

PREFORMED PLASTIC PAVEMENT MARKING, TY B - INLAID - LINE 24"				
LOCATION	DIRECTION	DESCRIPTION	LENGTH (FOOT)	
STA 37+58	WB	STOP BAR	26.0	
STA 38+45	EB	STOP BAR	26.0	
Franklin St.				
STA 9+53	NB	STOP BAR	12.6	
STA 10+48	SB	STOP BAR	13.9	
Clinton St.				
STA 9+55	NB	STOP BAR	14.7	
STA 10+46	SB	STOP BAR	12.6	
TOTAL			105.8	

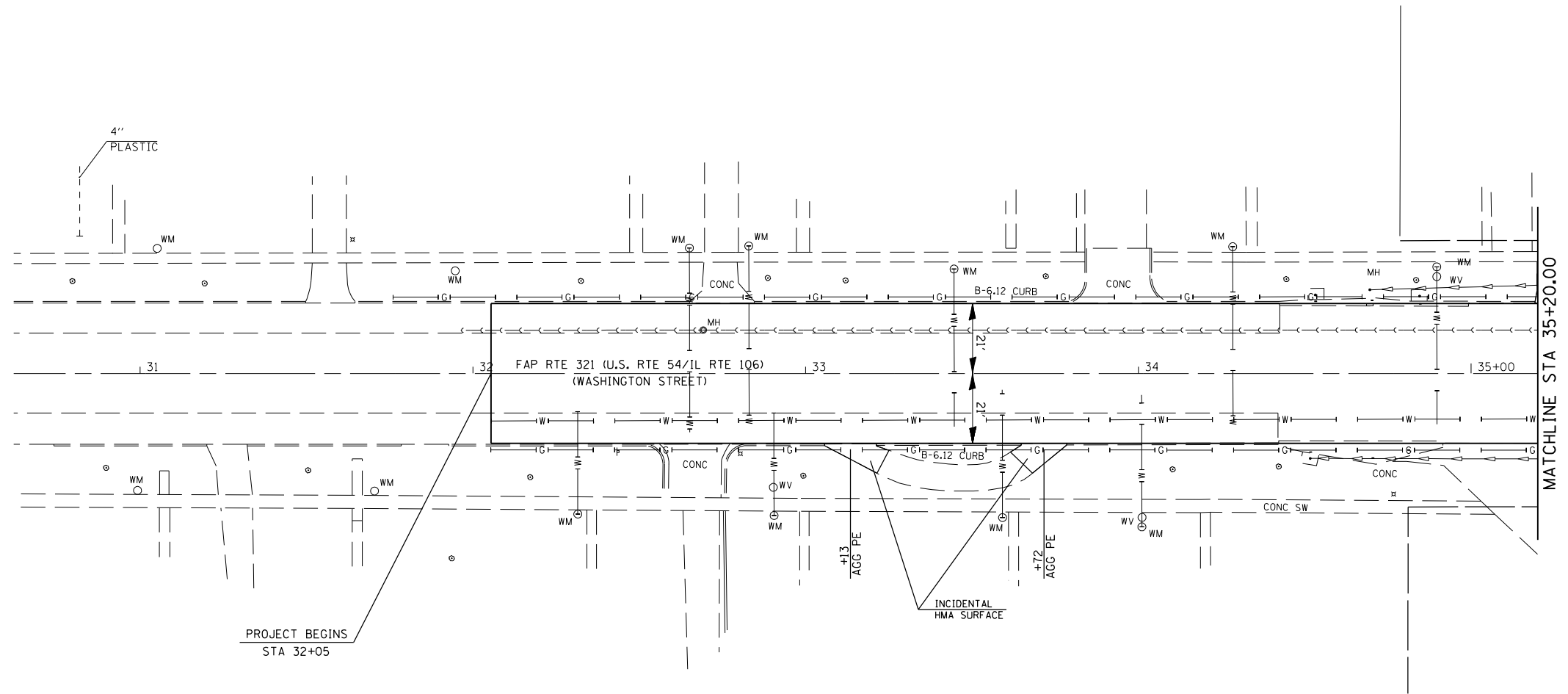
PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"				
LOCATION	COLOR	DESCRIPTION	LENGTH (FOOT)	
STA 36+43 TO STA 37+58	WHITE	LANE LINE	115.0	
STA 37+67	WHITE	CROSSWALK	46.8	
STA 37+73	WHITE	CROSSWALK	54.3	
STA 38+27	WHITE	CROSSWALK	56.7	
STA 38+33	WHITE	CROSSWALK	48.3	
STA 38+45 TO STA 39+60	WHITE	LANE LINE	115.0	
STA 42+43 TO STA 43+43	WHITE	LANE LINE	100.0	
STA 44+23 TO STA 45+23	WHITE	LANE LINE	100.0	
STA 49+35 TO STA 50+35	WHITE	LANE LINE	100.0	
Franklin St.				
STA 9+61	WHITE	CROSSWALK	32.2	
STA 9+67	WHITE	CROSSWALK	39.8	
STA 10+37	WHITE	CROSSWALK	41.1	
STA 10+43	WHITE	CROSSWALK	34.8	
Clinton St.				
STA 9+60	WHITE	CROSSWALK	29.6	
STA 9+66	WHITE	CROSSWALK	35.4	
STA 10+35	WHITE	CROSSWALK	31.6	
STA 10+41	WHITE	CROSSWALK	26.6	
TOTAL			1,007.2	

PREFORMED PLASTIC PAVEMENT MARKING, TY B - INLAID - LETTERS & SYMBOLS				
LOCATION	LANE	SYMBOL TYPE	SQ FT	
STA 36+48	LT	LEFT TURN	15.6	
STA 37+35	LT	LEFT TURN	15.6	
STA 38+66	LT	LEFT TURN	15.6	
STA 39+55	LT	LEFT TURN	15.6	
STA 40+43	BI-DIR.	LEFT TURN	31.2	
STA 41+61	BI-DIR.	LEFT TURN	31.2	
STA 42+47	LT	LEFT TURN	15.6	
STA 43+22	LT	LEFT TURN	15.6	
STA 44+45	LT	LEFT TURN	15.6	
STA 45+19	LT	LEFT TURN	15.6	
STA 46+11	BI-DIR.	LEFT TURN	31.2	
STA 48+47	BI-DIR.	LEFT TURN	31.2	
STA 49+39	LT	LEFT TURN	15.6	
STA 50+19	LT	LEFT TURN	15.6	
STA 51+31	BI-DIR.	LEFT TURN	31.2	
TOTAL			312.0	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP 321 (US 54/IL 106)
 SECTION 18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. / HORIZ.
 DATE: / / DRAWN BY: / CHECKED BY: /

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROJECT BEGINS
STA 32+05

MATCHLINE STA 35+20.00

PLOT DATE : Oct-04-2007 01:05:32PM
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 PLOT SCALE : 4.23525 / IN.
 USER NAME : laughlin-1

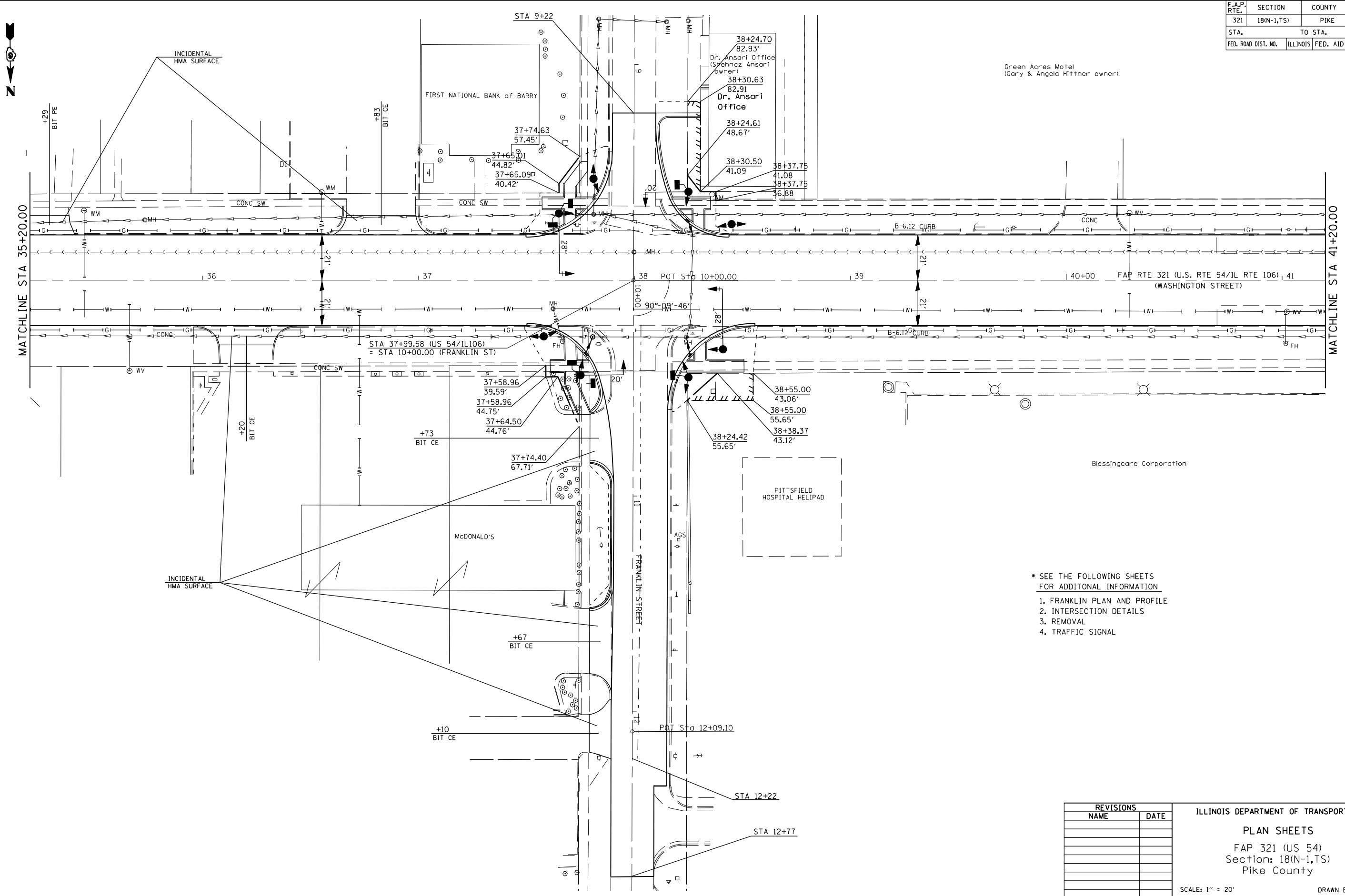
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN SHEETS
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County

SCALE: 1" = 20'
 DATE

DRAWN BY TEC
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



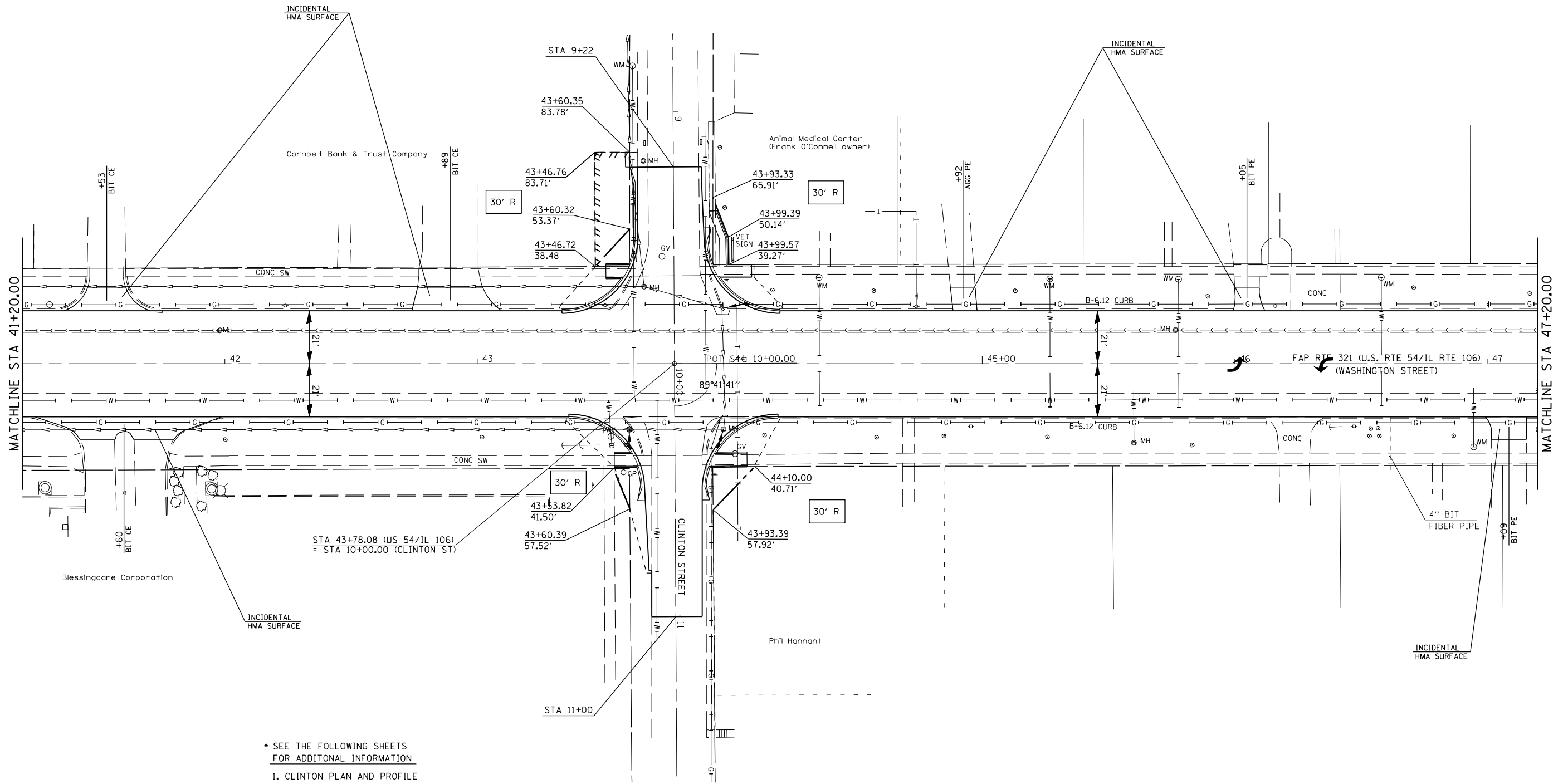
- * SEE THE FOLLOWING SHEETS FOR ADDITIONAL INFORMATION
1. FRANKLIN PLAN AND PROFILE
 2. INTERSECTION DETAILS
 3. REMOVAL
 4. TRAFFIC SIGNAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN SHEETS
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 20'
 DATE
 DRAWN BY
 CHECKED BY

PLOT DATE = 04-04-2007 01:05:33PM
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 PLOT SCALE = 42.352% / IN.
 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



• SEE THE FOLLOWING SHEETS FOR ADDITIONAL INFORMATION

1. CLINTON PLAN AND PROFILE
2. INTERSECTION DETAILS
3. REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

FAP 321 (US 54)

Section: 18(N-1,TS)

Pike County

SCALE: 1" = 20'

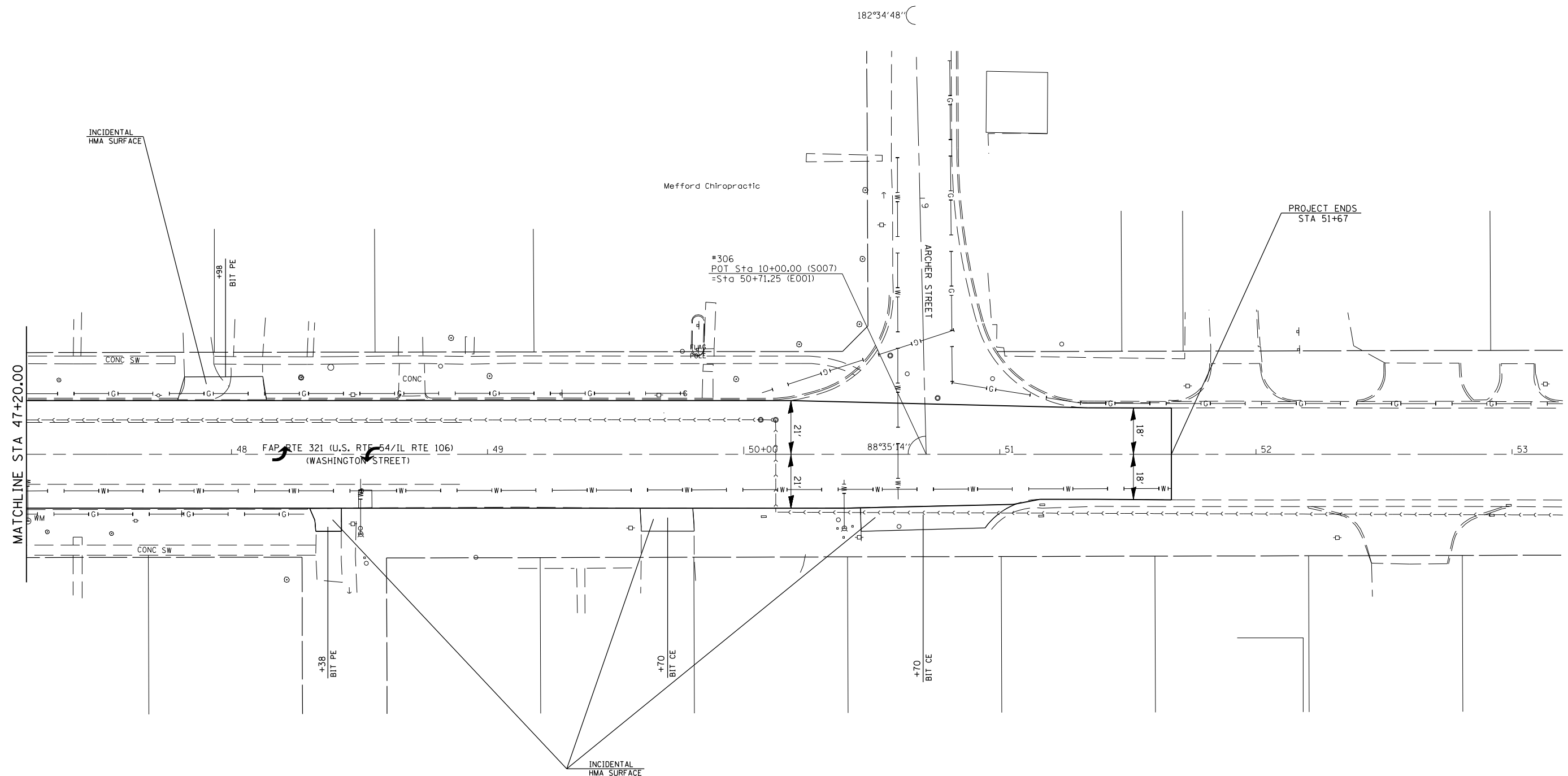
DATE

DRAWN BY

CHECKED BY

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 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE : 04-04-2007 01:05:36PM
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 USER NAME : laughlin-1

REVISIONS	
NAME	DATE

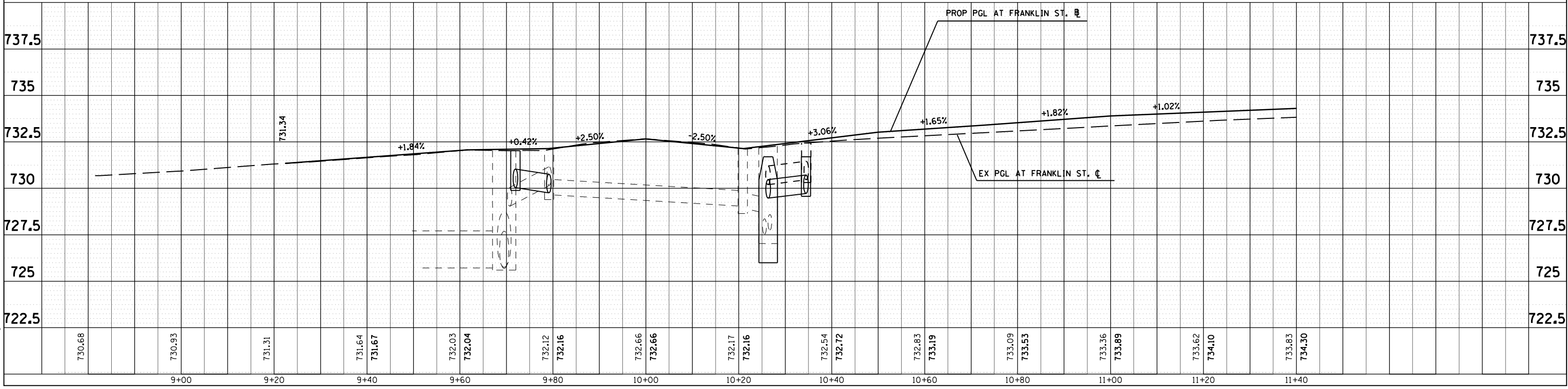
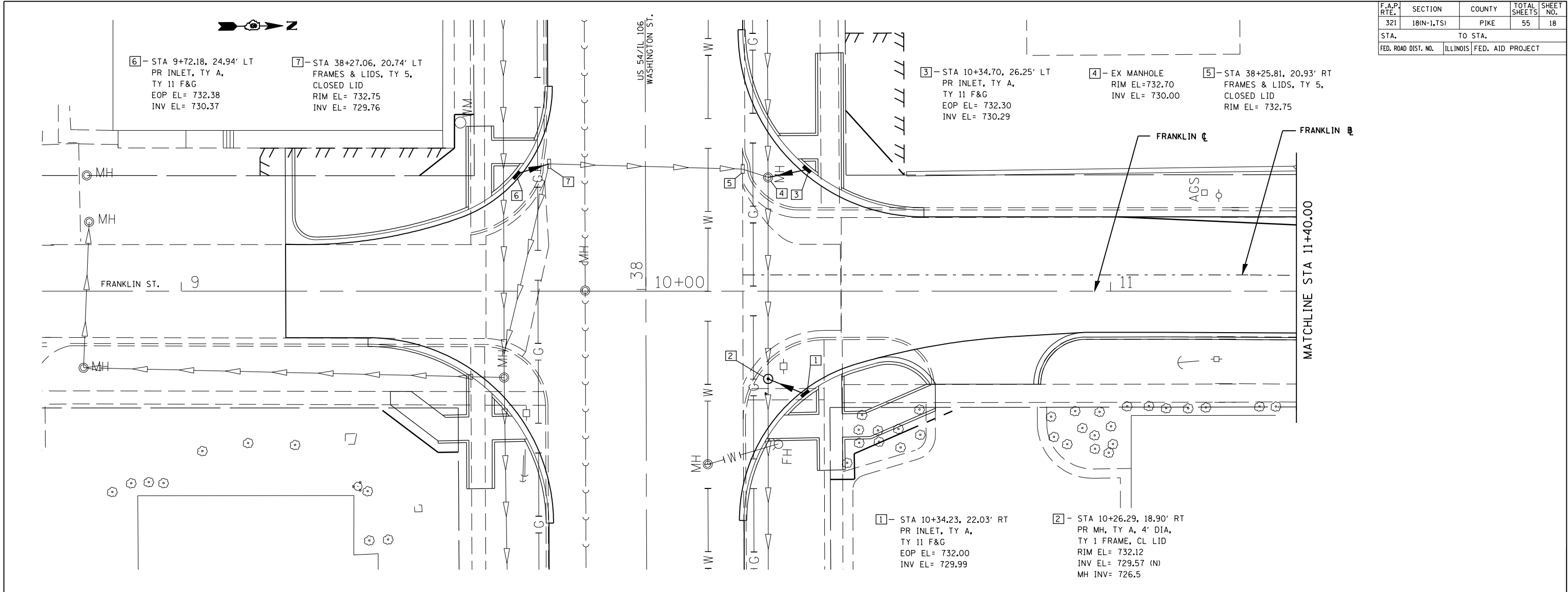
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN SHEETS
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 20'
 DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	18
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTED		
NO. OF WAY CHECKED		
NO. OF STRUCTURE NOTATIONS CHKD		

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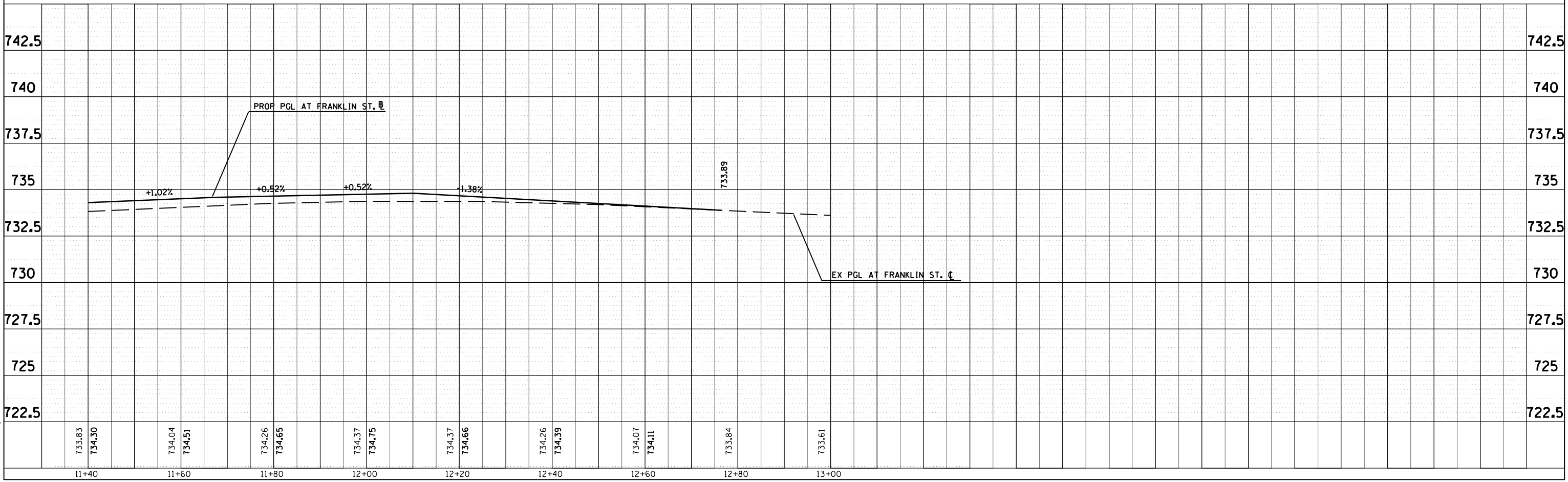
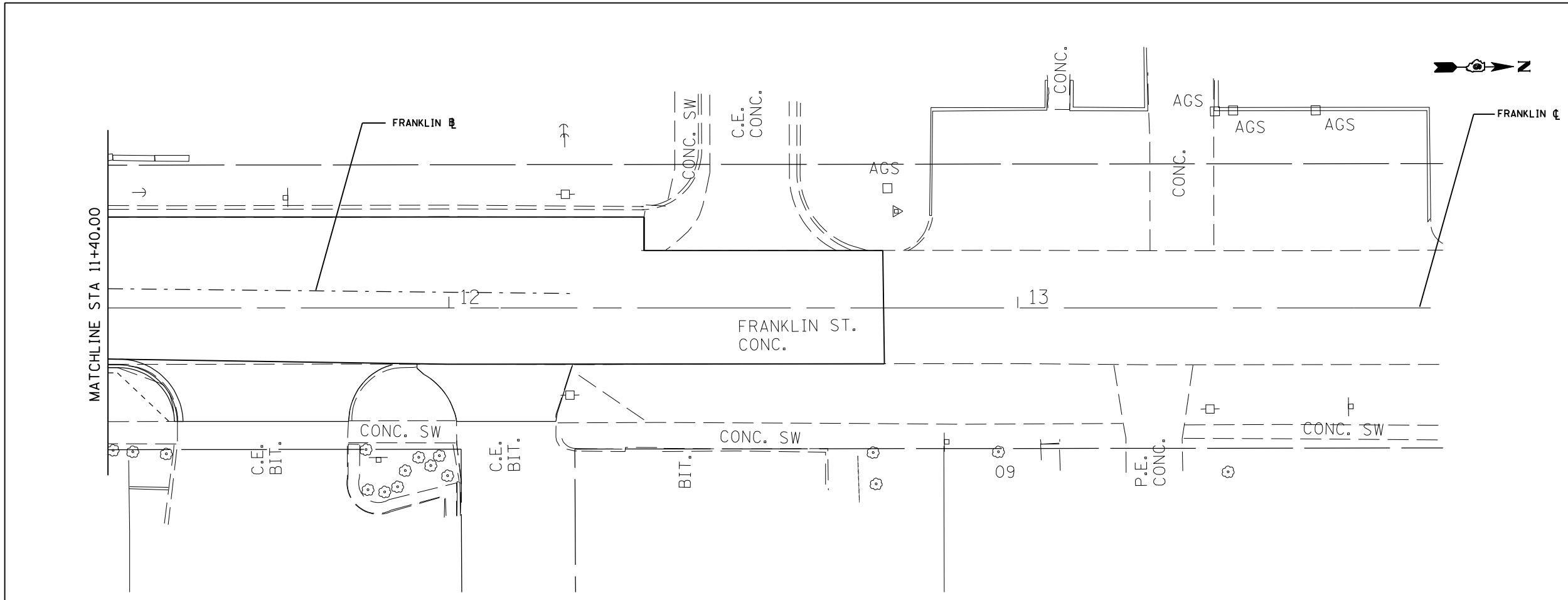


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO.	NO.		

PROFILE	SURVEYED	BY	DATE
NO.	NO.		

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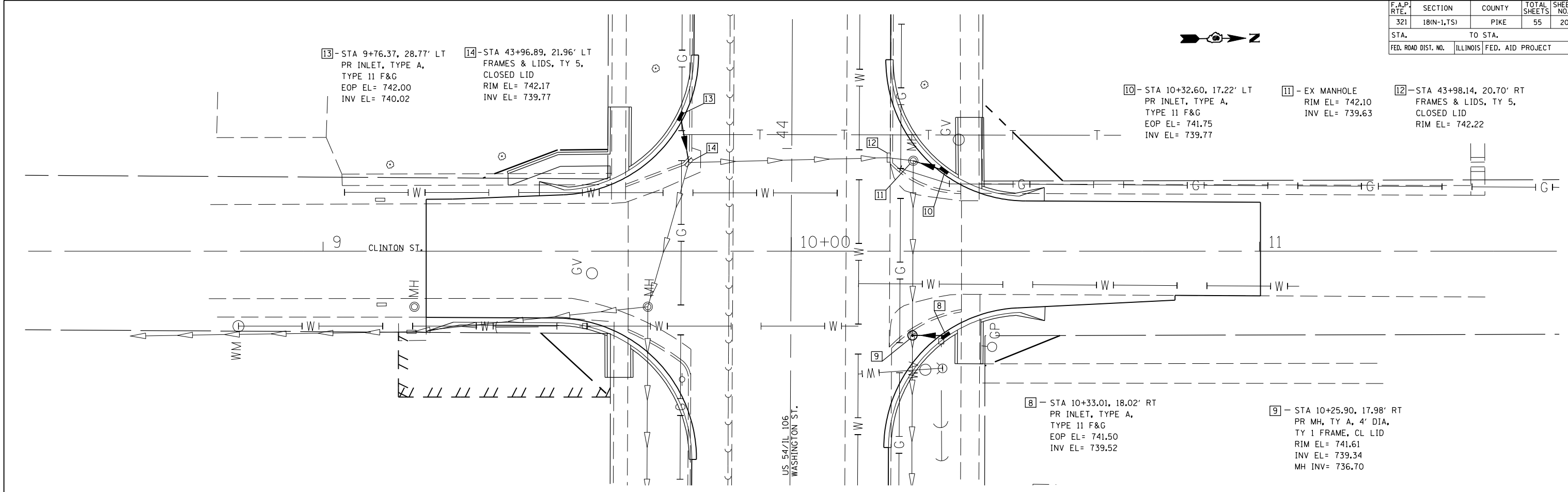


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	20

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

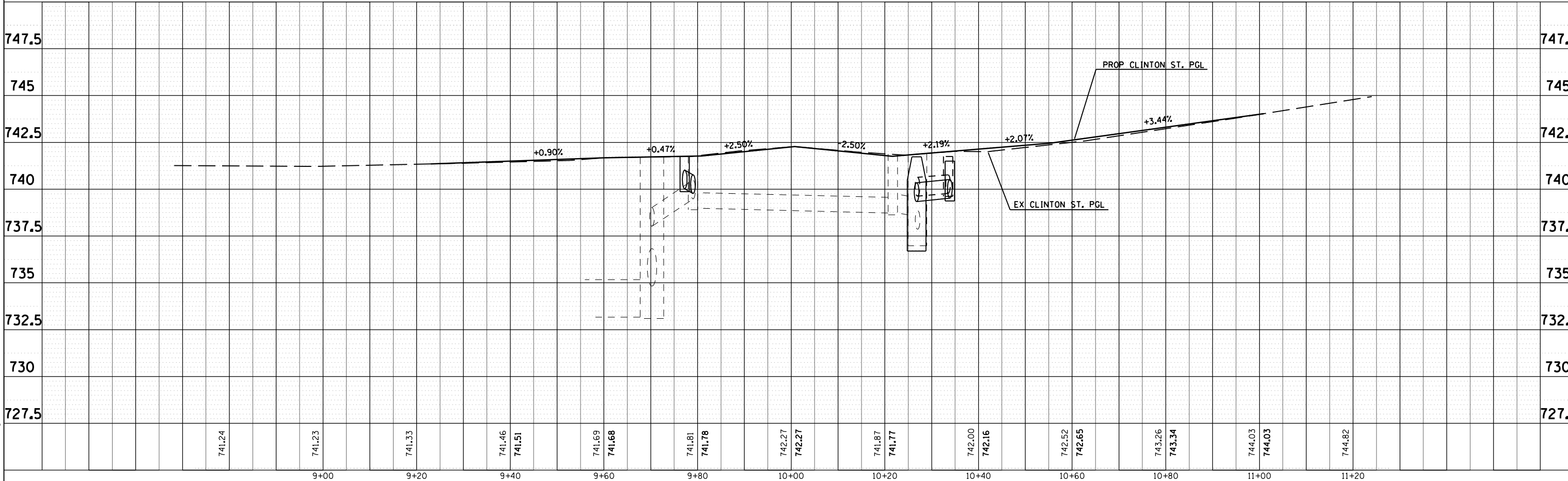
PLAN

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



PROFILE

SURVEYED	BY	DATE
PLOTTED		
CHECKED		
NO. OF WAY CHECKED		
STRUCTURE NOTATIONS CHKD		
NO.		

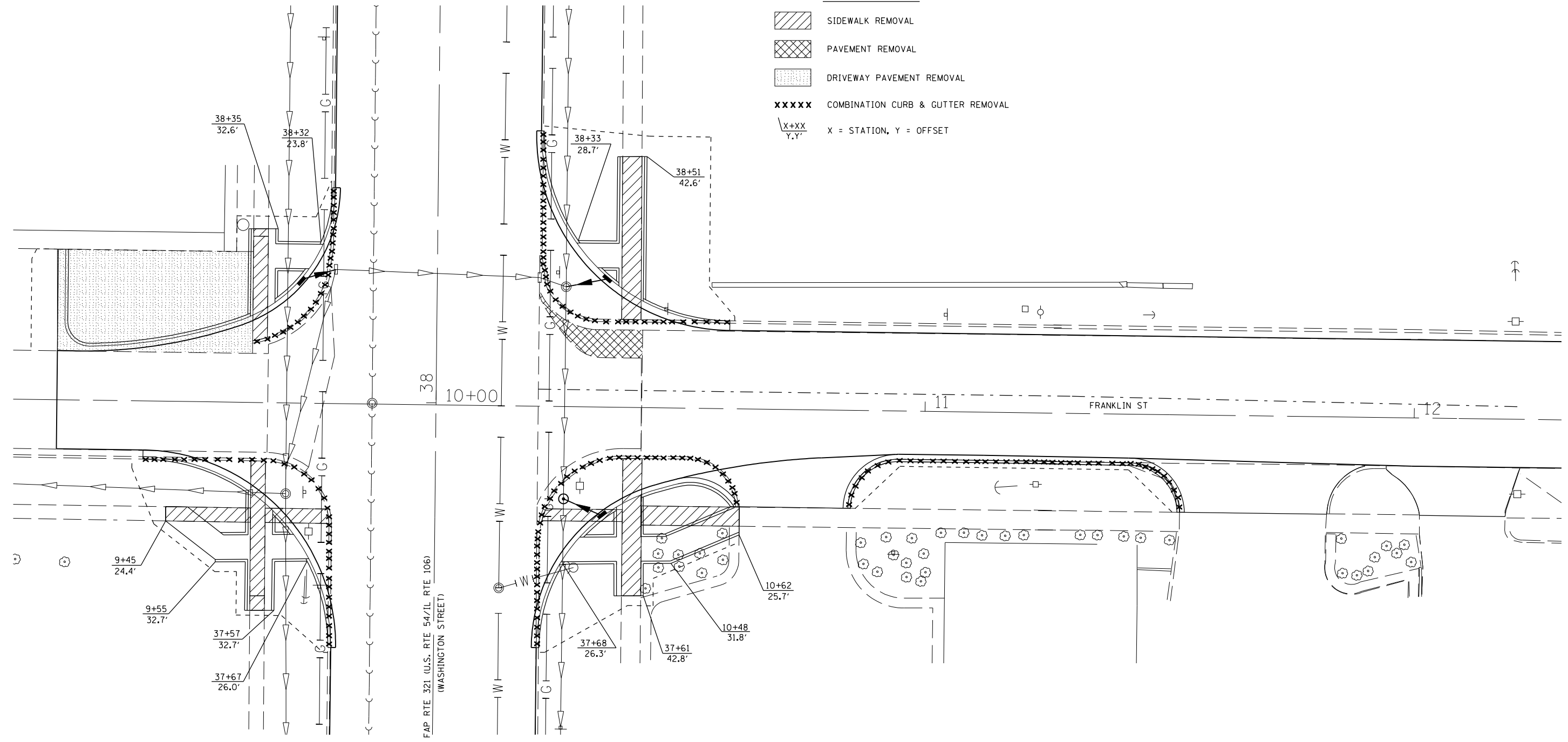


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- SIDEWALK REMOVAL
 - PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - COMBINATION CURB & GUTTER REMOVAL
 - $\frac{X+XX}{Y.Y'}$ X = STATION, Y = OFFSET



PLOT DATE = Oct-04-2007 01:05:48PM
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 PLOT SCALE = 2:1785' / IN.
 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

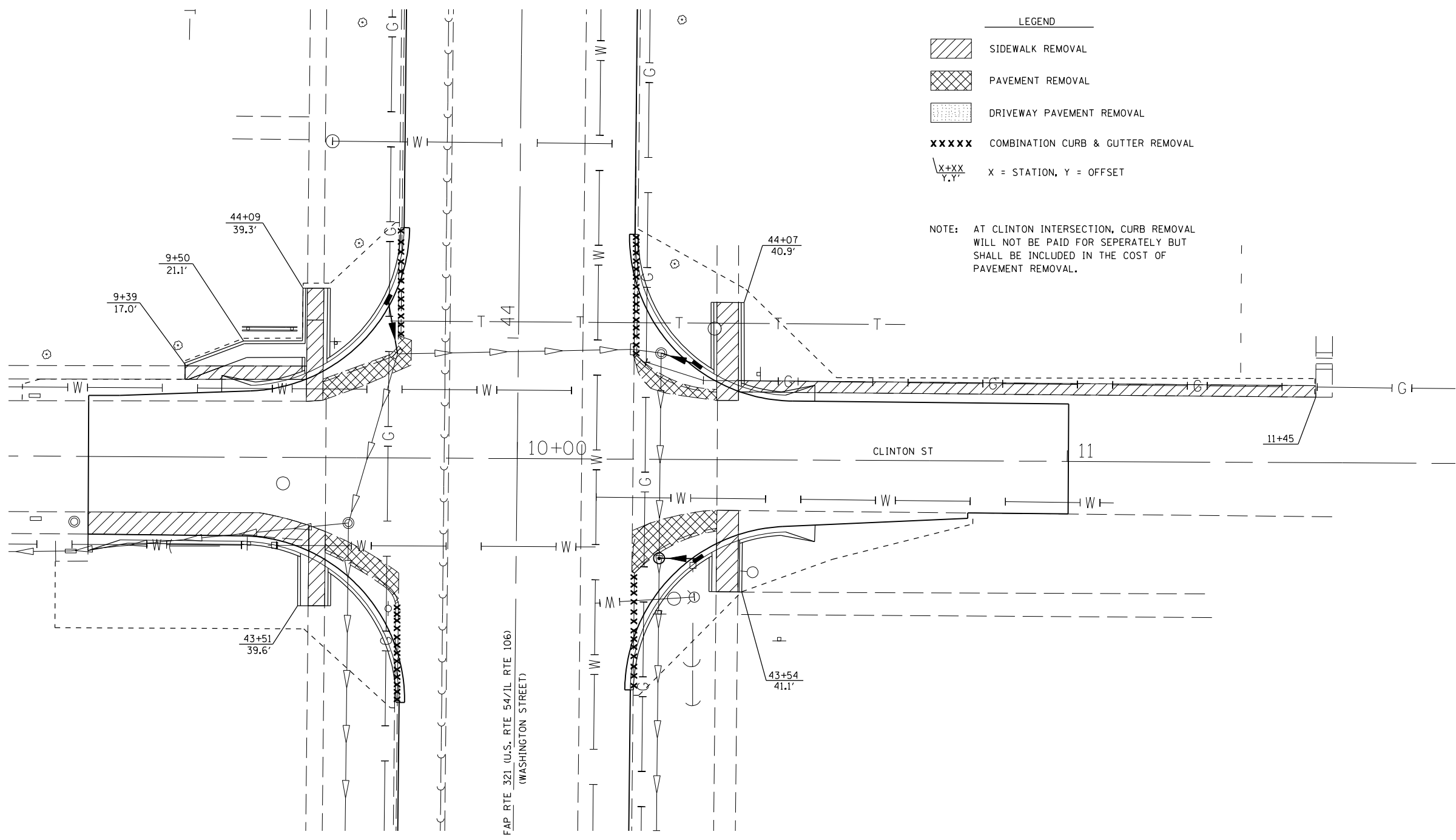
REMOVAL SHEET

FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County

SCALE: 1" = 10'

DATE _____ DRAWN BY TEC
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- SIDEWALK REMOVAL
 - PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - XXXXX** COMBINATION CURB & GUTTER REMOVAL
 - $\frac{X+XX}{Y.Y}$ X = STATION, Y = OFFSET

NOTE: AT CLINTON INTERSECTION, CURB REMOVAL WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

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 PLOT SCALE = 21,765' / IN.
 USER NAME = laughlin-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL SHEET
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 10'
 DATE _____ DRAWN BY TEC
 CHECKED BY _____

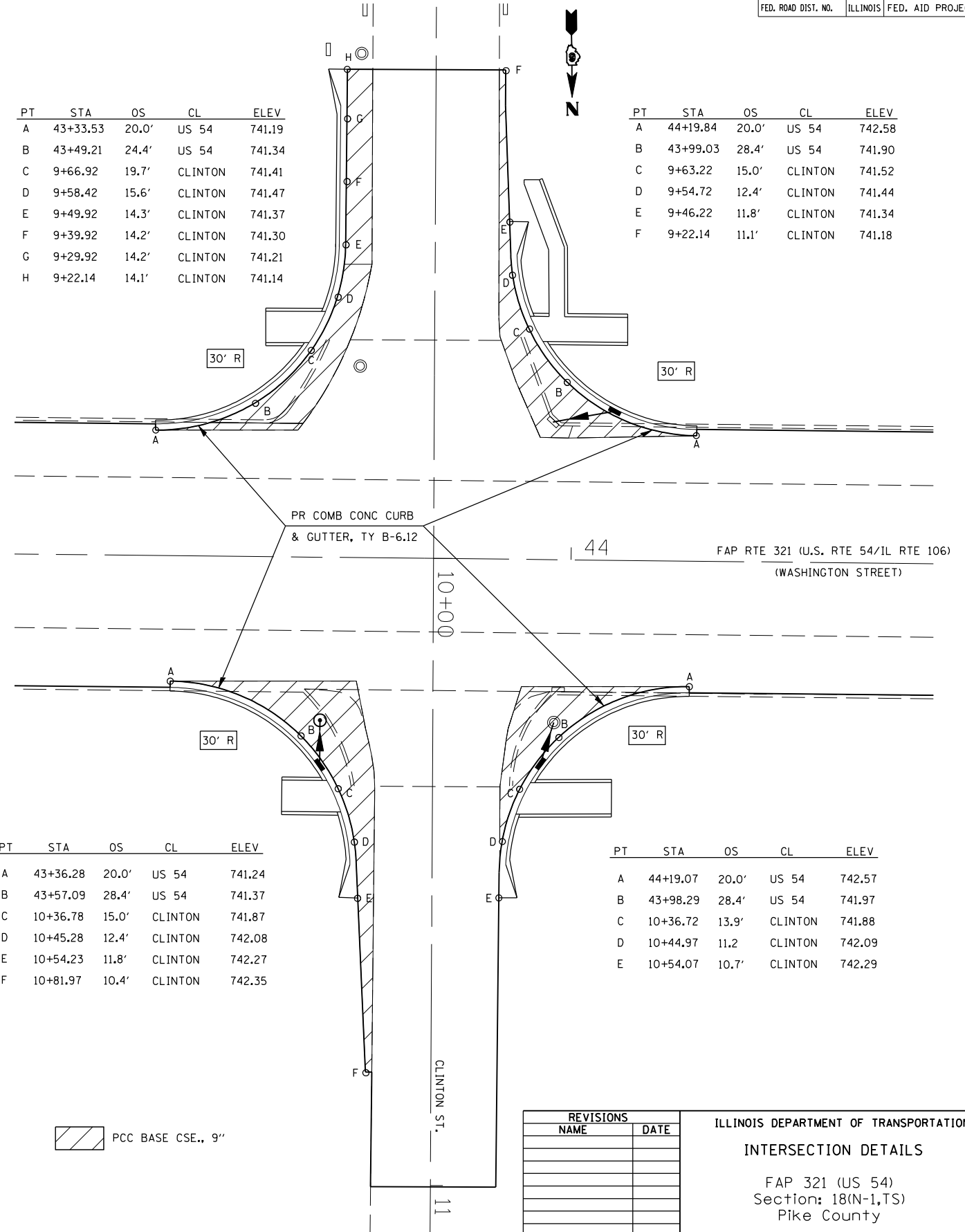
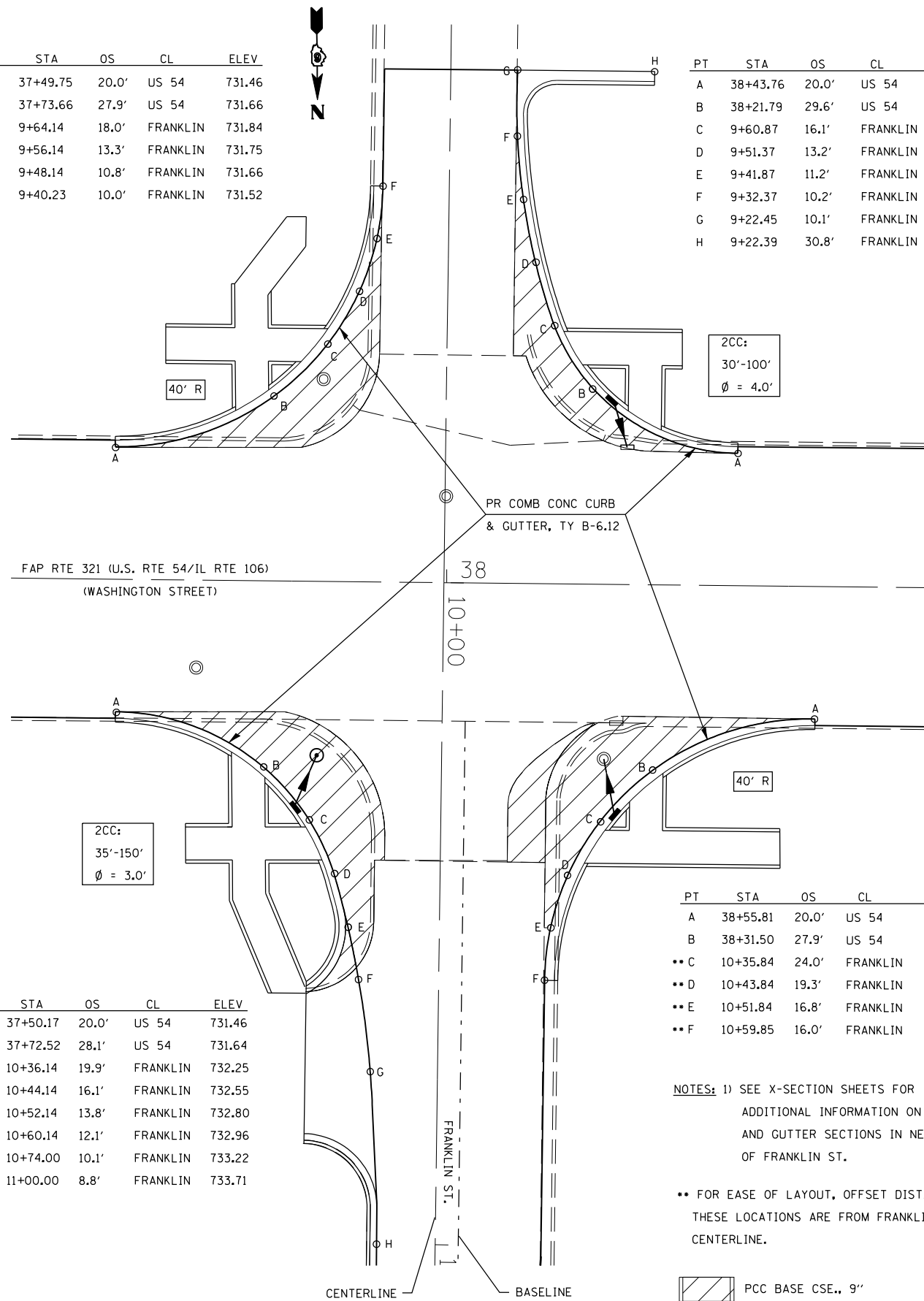
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PT	STA	OS	CL	ELEV
A	37+49.75	20.0'	US 54	731.46
B	37+73.66	27.9'	US 54	731.66
C	9+64.14	18.0'	FRANKLIN	731.84
D	9+56.14	13.3'	FRANKLIN	731.75
E	9+48.14	10.8'	FRANKLIN	731.66
F	9+40.23	10.0'	FRANKLIN	731.52

PT	STA	OS	CL	ELEV
A	38+43.76	20.0'	US 54	733.06
B	38+21.79	29.6'	US 54	732.30
C	9+60.87	16.1'	FRANKLIN	731.81
D	9+51.37	13.2'	FRANKLIN	731.68
E	9+41.87	11.2'	FRANKLIN	731.53
F	9+32.37	10.2'	FRANKLIN	731.38
G	9+22.45	10.1'	FRANKLIN	731.19
H	9+22.39	30.8'	FRANKLIN	732.30

PT	STA	OS	CL	ELEV
A	43+33.53	20.0'	US 54	741.19
B	43+49.21	24.4'	US 54	741.34
C	9+66.92	19.7'	CLINTON	741.41
D	9+58.42	15.6'	CLINTON	741.47
E	9+49.92	14.3'	CLINTON	741.37
F	9+39.92	14.2'	CLINTON	741.30
G	9+29.92	14.2'	CLINTON	741.21
H	9+22.14	14.1'	CLINTON	741.14

PT	STA	OS	CL	ELEV
A	44+19.84	20.0'	US 54	742.58
B	43+99.03	28.4'	US 54	741.90
C	9+63.22	15.0'	CLINTON	741.52
D	9+54.72	12.4'	CLINTON	741.44
E	9+46.22	11.8'	CLINTON	741.34
F	9+22.14	11.1'	CLINTON	741.18



PT	STA	OS	CL	ELEV
A	38+55.81	20.0'	US 54	733.25
B	38+31.50	27.9'	US 54	732.67
**C	10+35.84	24.0'	FRANKLIN	732.36
**D	10+43.84	19.3'	FRANKLIN	732.59
**E	10+51.84	16.8'	FRANKLIN	732.85
**F	10+59.85	16.0'	FRANKLIN	733.00

PT	STA	OS	CL	ELEV
A	43+36.28	20.0'	US 54	741.24
B	43+57.09	28.4'	US 54	741.37
C	10+36.78	15.0'	CLINTON	741.87
D	10+45.28	12.4'	CLINTON	742.08
E	10+54.23	11.8'	CLINTON	742.27
F	10+81.97	10.4'	CLINTON	742.35

PT	STA	OS	CL	ELEV
A	44+19.07	20.0'	US 54	742.57
B	43+98.29	28.4'	US 54	741.97
C	10+36.72	13.9'	CLINTON	741.88
D	10+44.97	11.2	CLINTON	742.09
E	10+54.07	10.7'	CLINTON	742.29

NOTES: 1) SEE X-SECTION SHEETS FOR ADDITIONAL INFORMATION ON CURB AND GUTTER SECTIONS IN NE QUAD OF FRANKLIN ST.

** FOR EASE OF LAYOUT, OFFSET DISTANCES AT THESE LOCATIONS ARE FROM FRANKLIN ST. CENTERLINE.

PCC BASE CSE., 9"

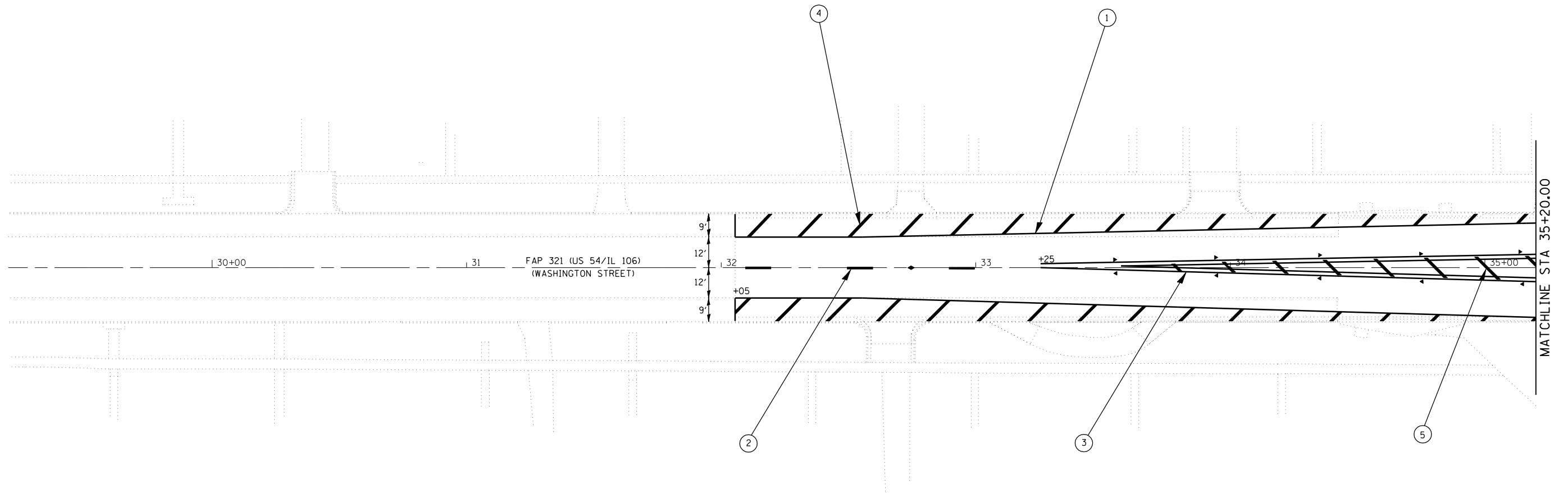
PCC BASE CSE., 9"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County

SCALE: 1" = 10'
 DATE _____ DRAWN BY TEC
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

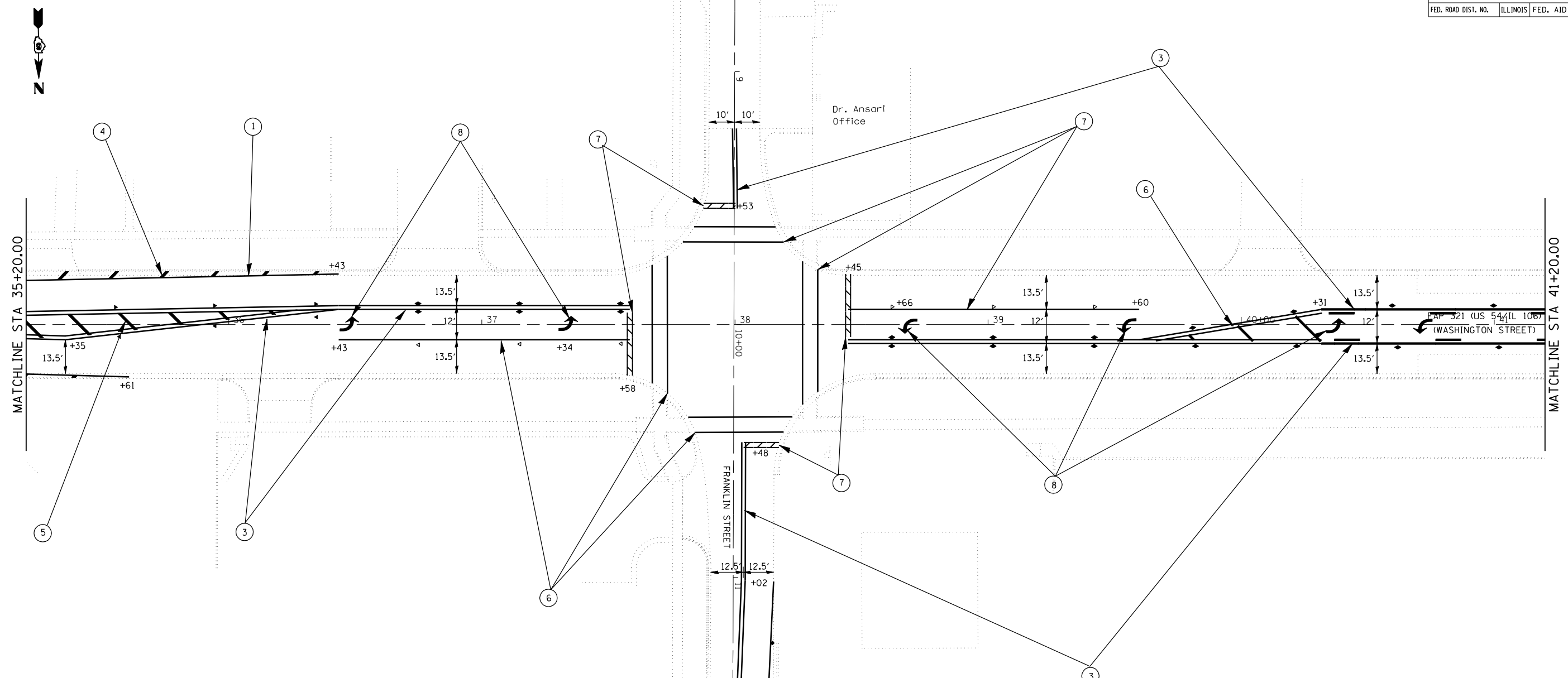
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 5" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
- ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (WHITE)
- ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS (WHITE)
- ◆ TWO-WAY AMBER RPM
- ▶ ONE-WAY AMBER RPM
- ▷ ONE-WAY CRYSTAL RPM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 20'
 DATE _____ DRAWN BY TEC
 CHECKED BY _____

PLOT DATE : 06-25-2007 01:57:13PM
 FILE NAME : c:\projects\655104\h\pavemark.dgn
 PLOT SCALE : 4.23525 / IN.
 USER NAME : laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 5" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
- ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (WHITE)
- ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS (WHITE)
- ◆ TWO-WAY AMBER RPM
- ▶ ONE-WAY AMBER RPM
- ▷ ONE-WAY CRYSTAL RPM

REVISIONS	
NAME	DATE

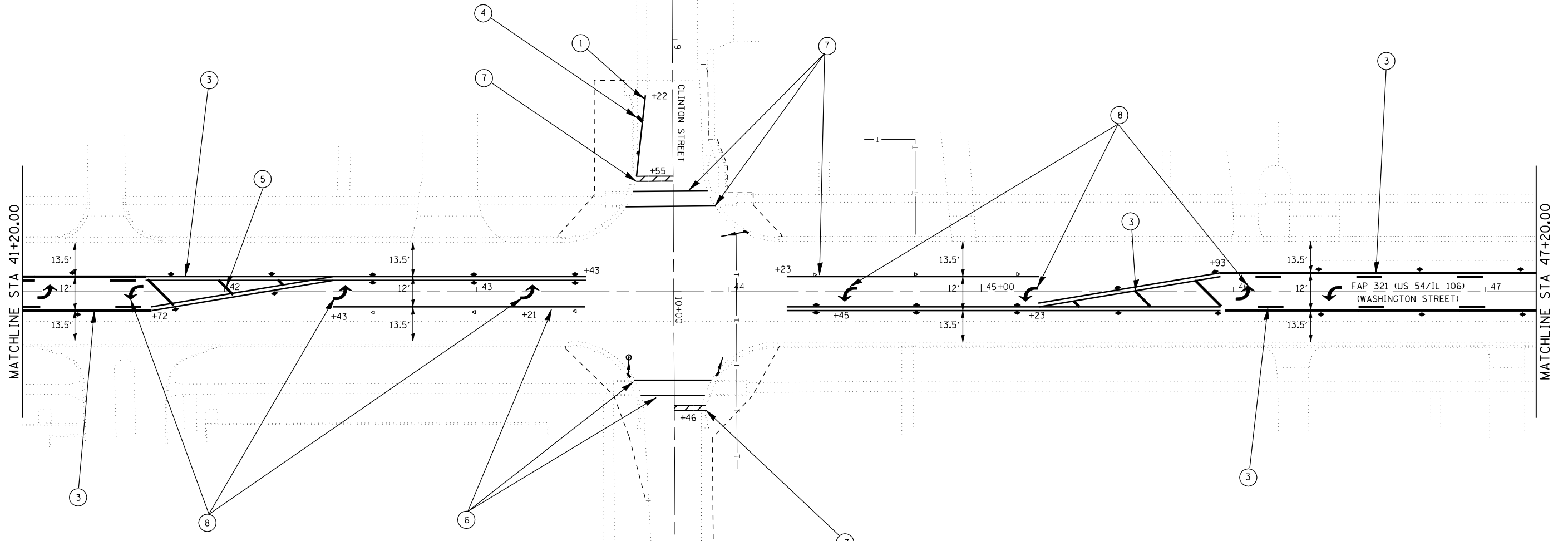
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County

SCALE: 1" = 20'
 DATE

DRAWN BY
 CHECKED BY

PLOT DATE : 04-25-2007 01:57:24PM
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 PLOT SCALE : 42.3525 / IN.
 USER NAME : laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

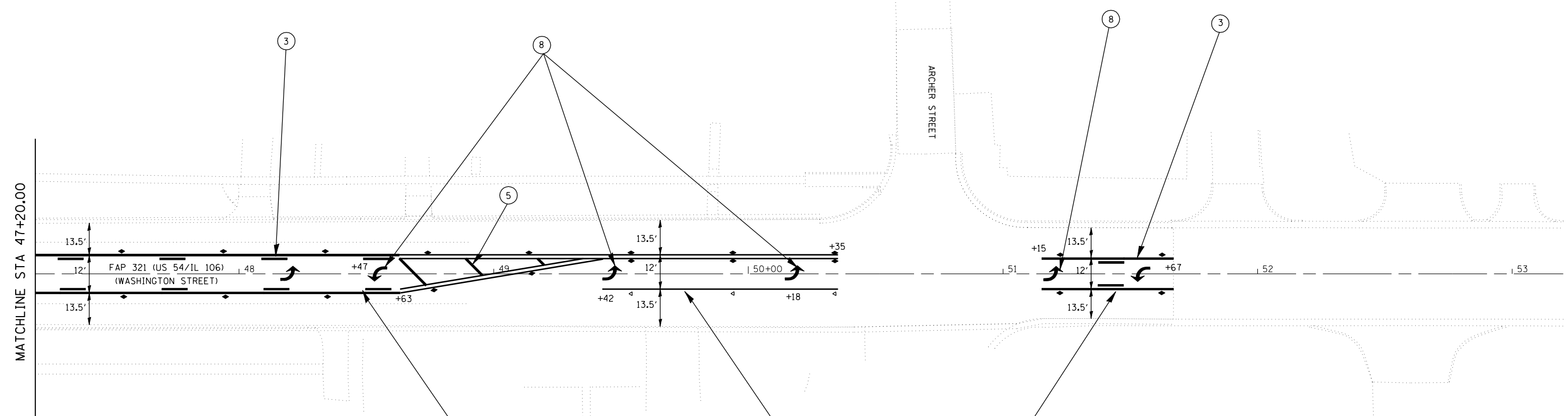
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 5" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
- ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (WHITE)
- ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS (WHITE)
- ◆ TWO-WAY AMBER RPM
- ▶ ONE-WAY AMBER RPM
- ▷ ONE-WAY CRYSTAL RPM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 20'
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE : 06-25-2007 01:57:34PM
 FILE NAME : c:\projects\655104\h\pavemark.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 5" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 5" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- ⑥ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
- ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (WHITE)
- ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS (WHITE)
- ◆ TWO-WAY AMBER RPM
- ▶ ONE-WAY AMBER RPM
- ▷ ONE-WAY CRYSTAL RPM

REVISIONS	
NAME	DATE

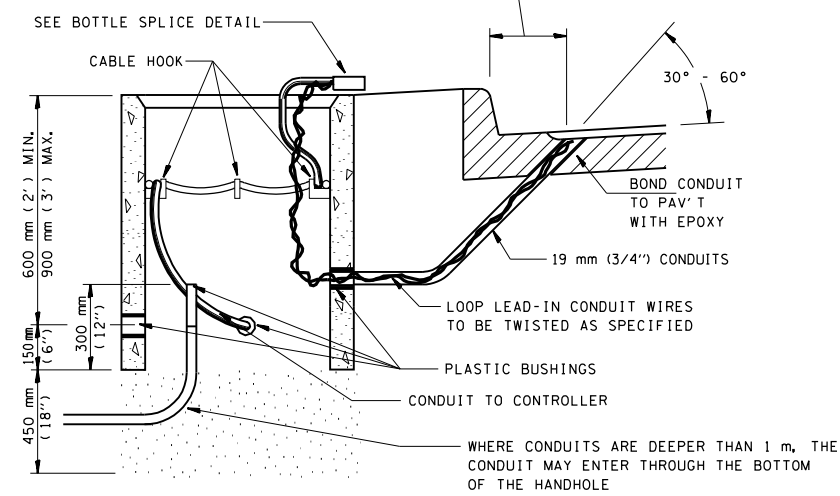
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLAN
 FAP 321 (US 54)
 Section: 18(N-1,TS)
 Pike County
 SCALE: 1" = 20'
 DATE _____ DRAWN BY _____
 CHECKED BY _____

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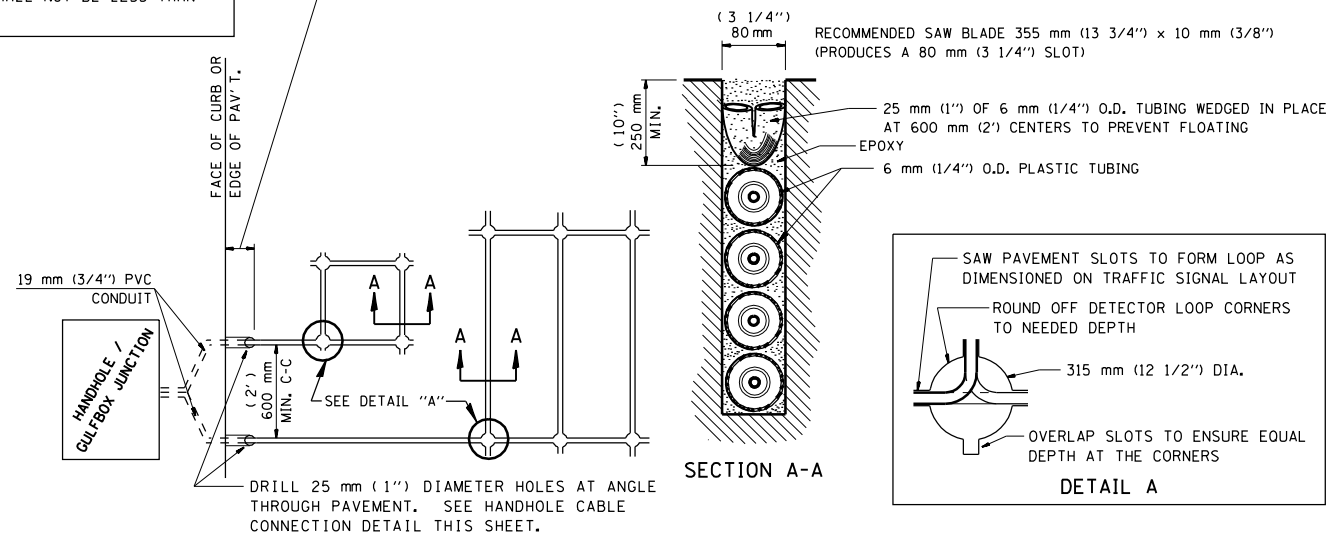
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	54	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

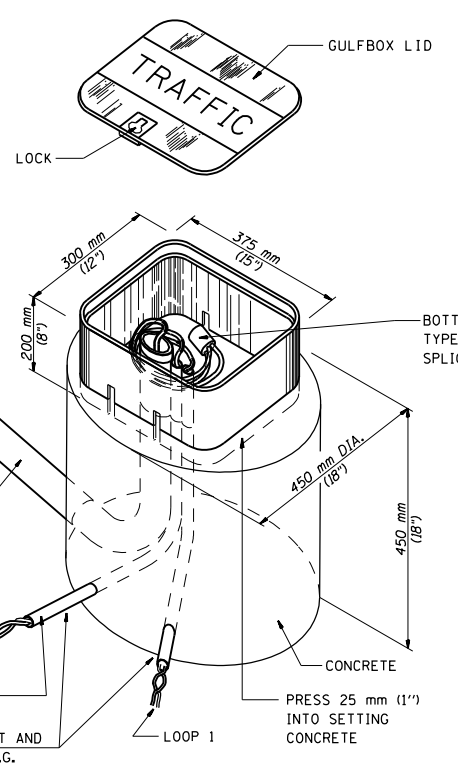
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB. IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 150 mm (6").



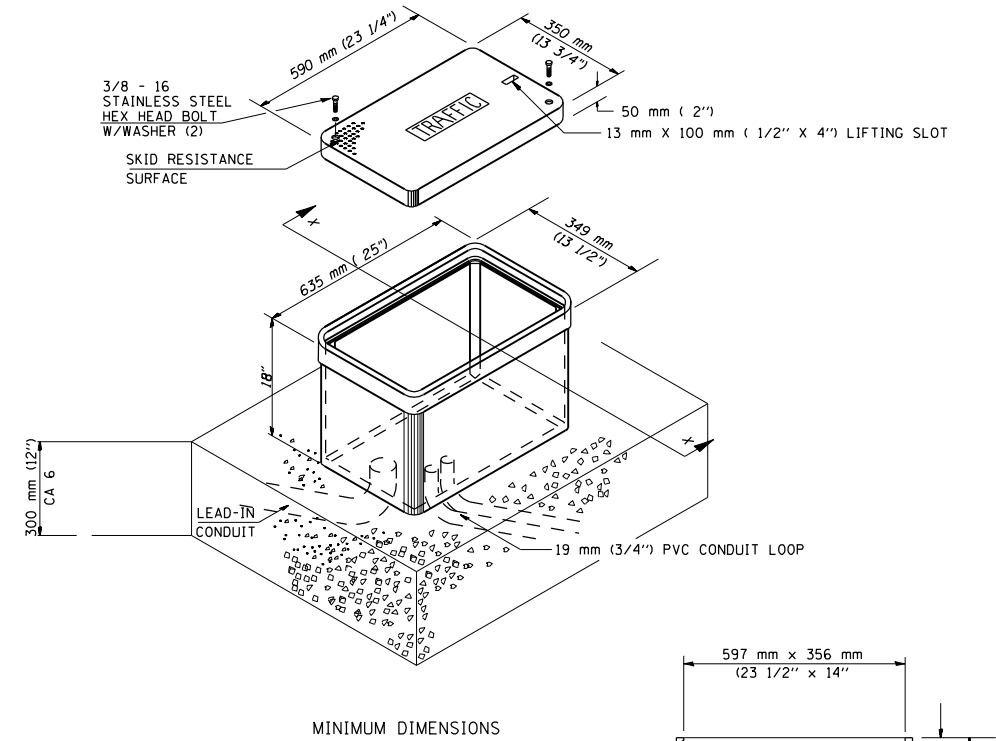
HANDHOLE CABLE CONNECTIONS



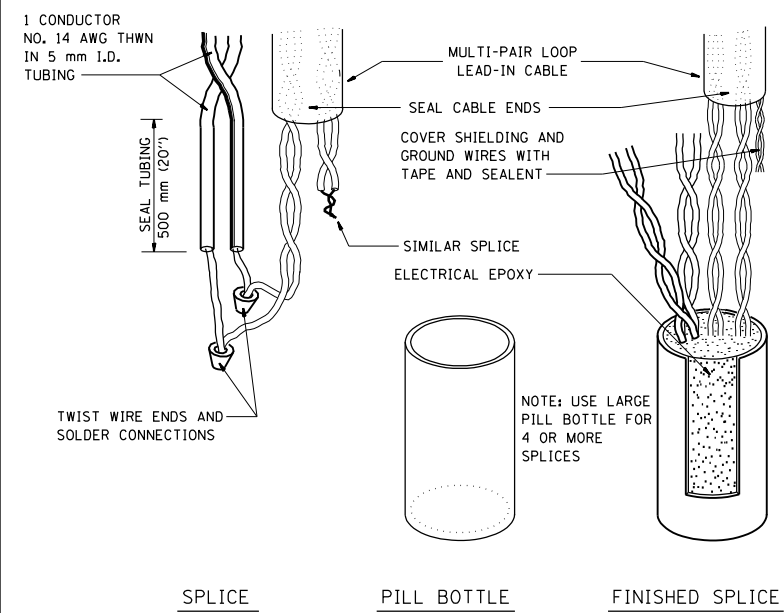
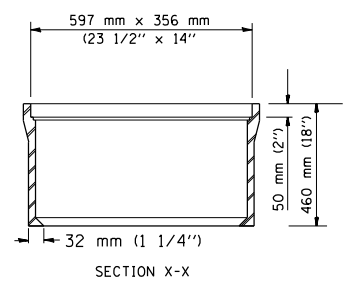
PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE



GULFBOX JUNCTION DETAIL
(SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



JUNCTION BOX (SPECIAL)



BOTTLE SPLICE DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETECTOR LOOP DETAILS

FAP 321 (US 54)

SECTION 18(N-1,TS)

PIKE COUNTY

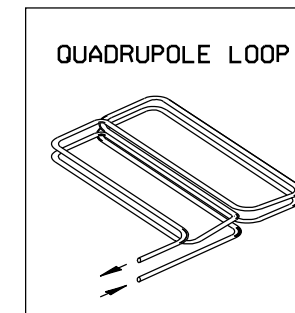
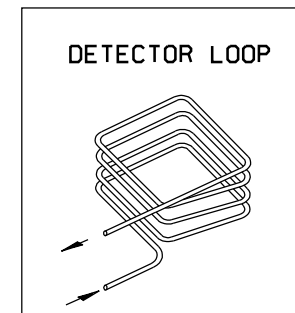
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DRAWN BY WCD / CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	54	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER				LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER			
		CALCULATED		METERED		CALCULATED		METERED				CALCULATED		METERED		CALCULATED		METERED	
		μ H	Ω	μ H	Ω	μ 7	Ω	μ 7	Ω			μ 7	Ω	μ 7	Ω	μ 7	Ω	μ 7	Ω
ELT	2-4-2	425	1.30			439	3.41												
ERL	2-4-2	406	1.20			420	3.30												
ELB	2	187	0.75			201	2.85												
ERB	2	178	0.66			192	2.77												
WLT	2-4-2	431	1.27			442	2.99												
WRL	2-4-2	412	1.16			424	2.88												
WLB	2	185	0.69			196	2.41												
WRB	2	175	0.61			187	2.32												
NAP	2	175	0.59			193	3.30												
NAB	2	182	0.62			200	3.32												
SAP	2	165	0.56			166	0.80												



INSTALLING THE LOOP WIRE:
 THE NEGATIVE LEAD SHALL BE CONNECTED TO THE BLACK CONDUCTOR OF A PAIR OF CONDUCTORS IN THE LEAD-IN CABLE AND THE POSITIVE LEAD SHALL BE CONNECTED TO THE COLOR-CODED CONDUCTOR OF THE CABLE PAIR.

DETECTOR LOOP WIRE INSTALLATION

DETECTOR NOTES:

1. THE DETECTOR LOOP SHALL BE CENTERED IN THE LANE IN WHICH IT IS SHOWN. ANY ADJUSTMENTS ARE TO BE MADE ONLY AT THE DIRECTION OF THE ENGINEER.
2. THE DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. ACCEPTANCE OF THE LOOPS AS METERED SHALL BE DETERMINED BY THE ENGINEER.
4. ALL DETECTOR WIRES SHALL BE MARKED WITH WATERPROOF LABELS USING THE WIRING IDENTIFICATION SHOWN ON THE PLANS. THE + AND - OF EACH LOOP MUST BE USED TO IDENTIFY CURRENT FLOW. ALWAYS CONNECT THE BLACK WIRE OF EACH PAIR TO THE NEGATIVE (-) LOOP WIRE.
5. ALL QUADRUPOLE LOOPS SHALL BE 2-4-2 DESIGN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETECTOR LOOP DETAILS
 FAP 321 (US 54)
 SECTION 18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY WCD
 DATE: MAY 2, 1996

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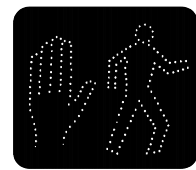
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	54	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)		
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		SIDEWALK REMOVAL IN SO M (SO FT)
		PC CONC SDWLK 100 mm IN SO M (SO YD)
		PC CONC SDWLK 100 mm SPECIAL IN SO M (SO YD)

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		200 mm (8") SIGNAL SECTION
		300 mm (12") SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		225 mm (9") PEDESTRIAN SIGNAL FACE
		300 mm (12") PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO DETECTION CAMERA
		EMERGENCY VEHICLE PREEMPTOR



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LEGEND FOR TRAFFIC SIGNAL DETAILS

FAP 321 (US 54)
SECTION 18(N-1,TS)
PIKE COUNTY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY WCD
DATE: DECEMBER 3, 1999

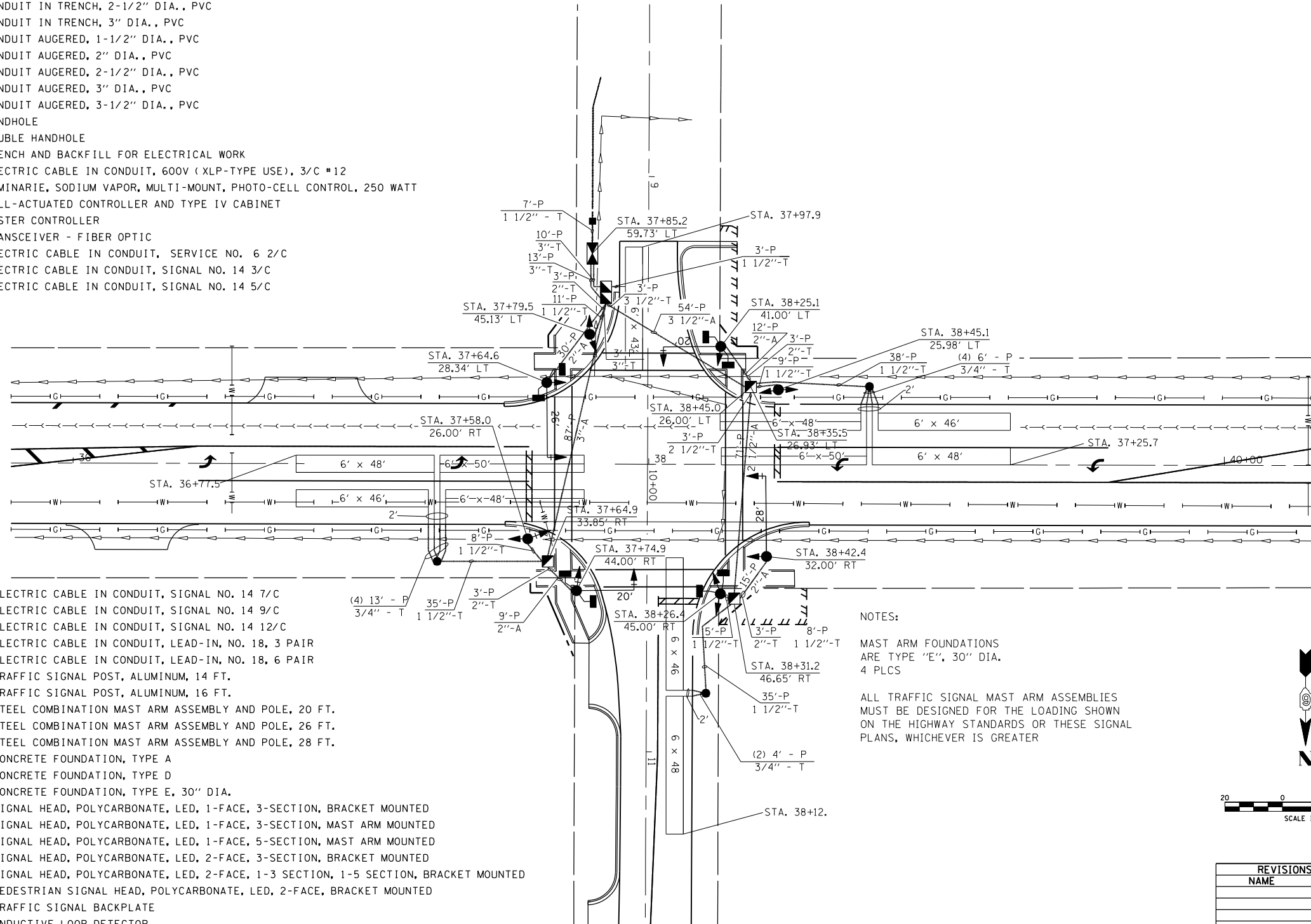
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USER NAME = laughlin-1

TRAFFIC SIGNAL QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	54	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LOCATION: FRANKLIN AND WASHINGTON

QUANTITY	UNIT	ITEM
58.0	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION, TYPE A
1	EACH	WOOD POLE, 25 FT., CLASS 4
84	FOOT	CONDUIT IN TRENCH, 3/4" DIA., PVC
132	FOOT	CONDUIT IN TRENCH, 1-1/2" DIA., PVC
12.0	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
3.0	FOOT	CONDUIT IN TRENCH, 2-1/2" DIA., PVC
26.0	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
3.0	FOOT	CONDUIT AUGERED, 1-1/2" DIA., PVC
66.0	FOOT	CONDUIT AUGERED, 2" DIA., PVC
71.0	FOOT	CONDUIT AUGERED, 2-1/2" DIA., PVC
110.0	FOOT	CONDUIT AUGERED, 3" DIA., PVC
54.0	FOOT	CONDUIT AUGERED, 3-1/2" DIA., PVC
3	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
257.0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
696.0	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C #12
4	EACH	LUMINARIE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
1	EACH	MASTER CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC
16.0	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2/C
515	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C
534	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C

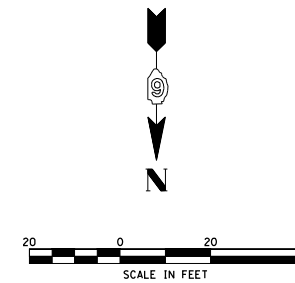


389.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C
614.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9/C
193	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12/C
165.0	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18, 3 PAIR
202.0	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18, 6 PAIR
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 28 FT.
12.0	FOOT	CONCRETE FOUNDATION, TYPE A
3.0	FOOT	CONCRETE FOUNDATION, TYPE D
40.0	FOOT	CONCRETE FOUNDATION, TYPE E, 30" DIA.
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED
6	EACH	TRAFFIC SIGNAL BACKPLATE
12	EACH	INDUCTIVE LOOP DETECTOR
1469.0	EACH	DETECTOR LOOP, TYPE 1
8.0	EACH	PEDESTRIAN PUSHBUTTON
400.0	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, #6 1/C (GREEN)

NOTES:

MAST ARM FOUNDATIONS ARE TYPE "E", 30" DIA. 4 PLCS

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES MUST BE DESIGNED FOR THE LOADING SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER

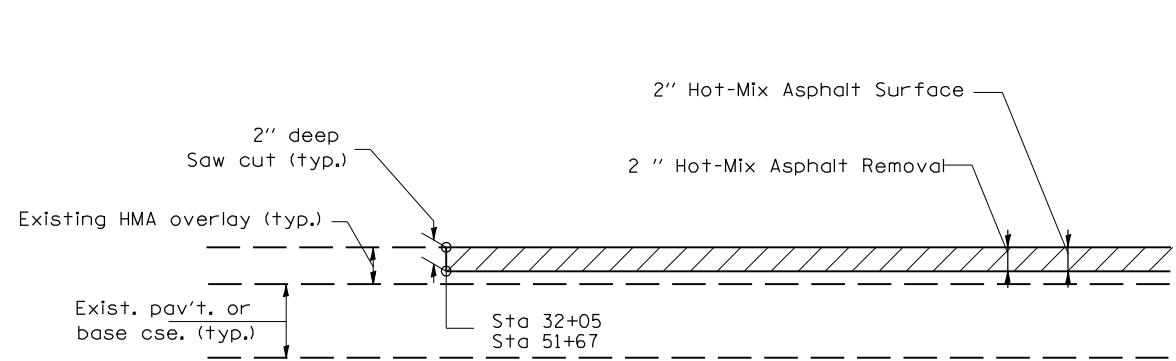


REVISIONS	
NAME	DATE

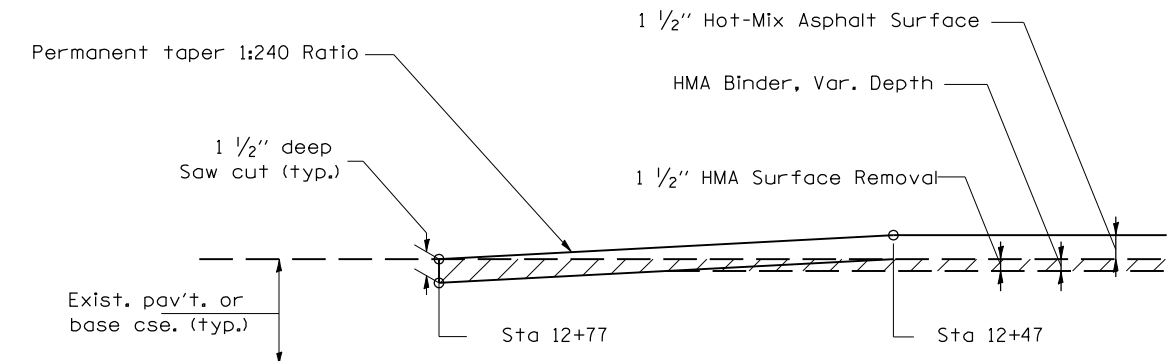
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
 FAP 321 (US 54)
 SECTION 18(N-1,TS)
 PIKE COUNTY
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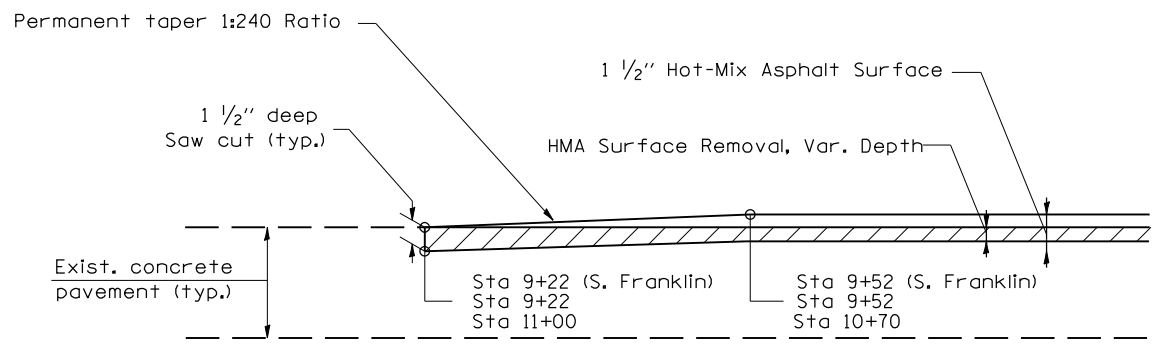
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321	18(N-1,TS)	PIKE	55	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMPING DETAIL
US 54/IL 106



BUTT JOINT DETAIL
FRANKLIN ST. (NORTH)



BUTT JOINT DETAIL
FRANKLIN ST. (SOUTH)
& CLINTON ST.

- NOTES: 1. THE SAW CUTS FOR BUTT JOINTS SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH).
2. THE SAW CUTS FOR THE RAMPING DETAIL SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL 2".

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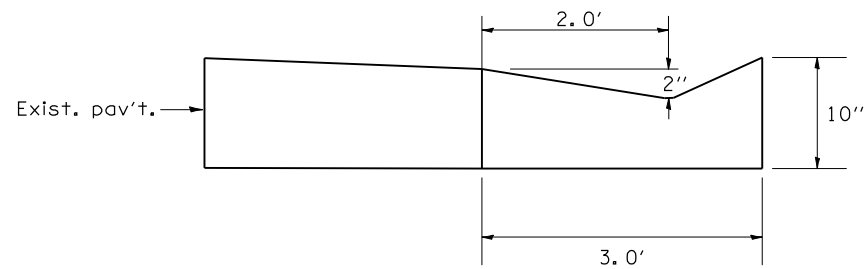
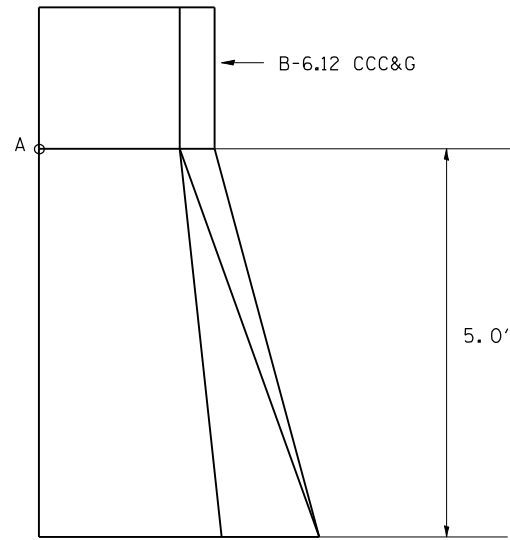
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BUTT JOINT/ RAMPING DETAIL
 FAP 321 (US 54)
 SECTION 18(N-1,TS)
 PIKE COUNTY

SCALE: VERT. _____
 HORIZ. _____

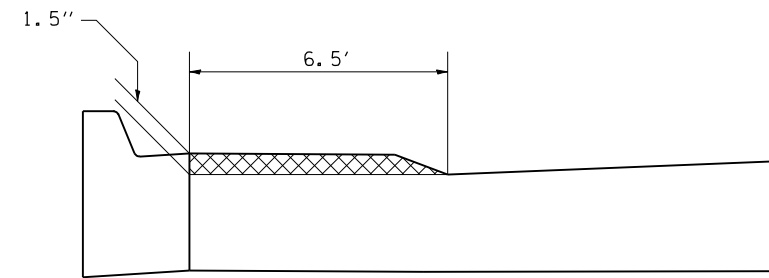
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



INLET/OUTLET DETAIL FOR COMB. CONC. CURB & GUTTER, CLINTON ST.

- PT. A —
- SE QUAD STA 9+27
 - SW QUAD STA 9+51
 - NE QUAD STA 10+49
 - NW QUAD STA 10+49



MILLING DETAIL
FRANKLIN ST. NW QUAD
STA 10+42 TO STA 12+34

DUE TO MONOLTHIC LIP AT EDGE OF PAVEMENT
MILL OUTSIDE 6.5' OF PAVEMENT ON THE NW QUAD
OF FRANKLIN 1.5" DEEP. MILLING PAID FOR AS HMA
SURFACE REMOVAL, VARIABLE DEPTH.

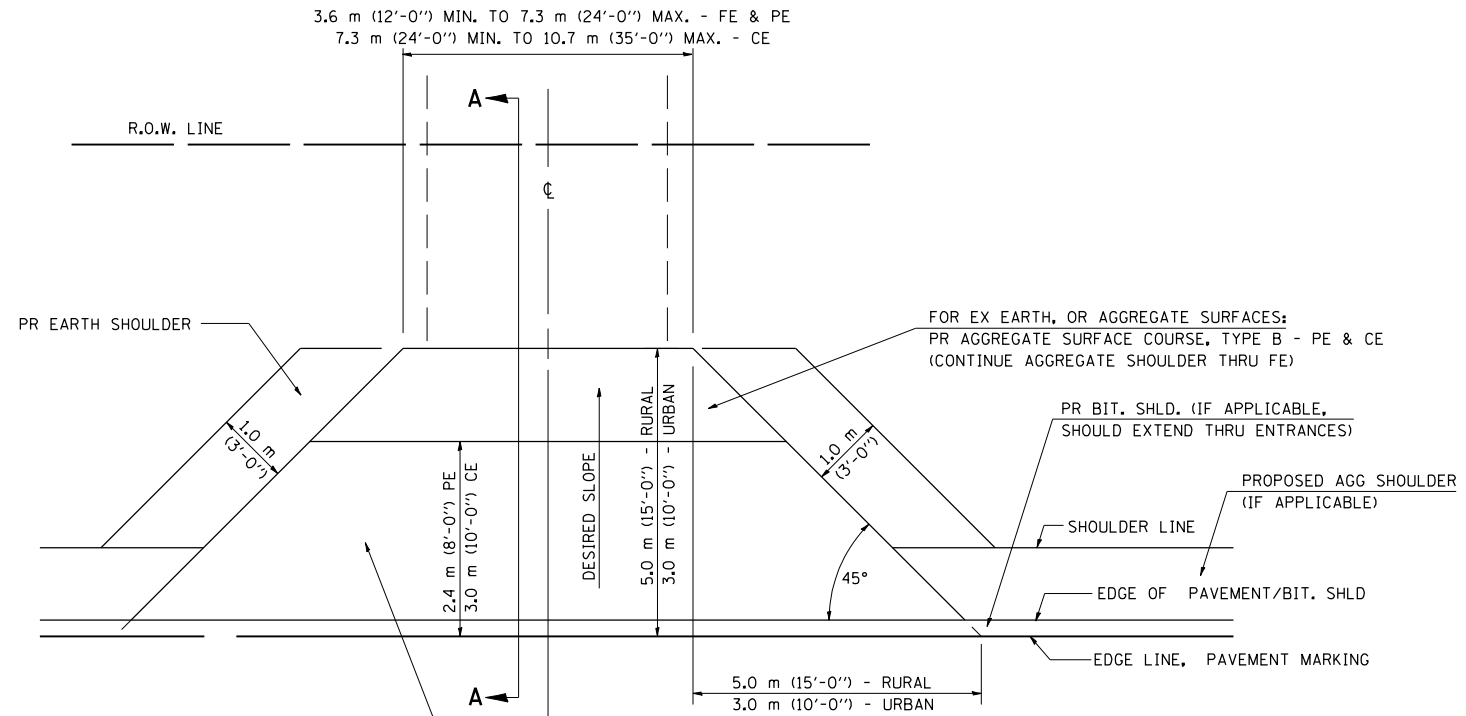
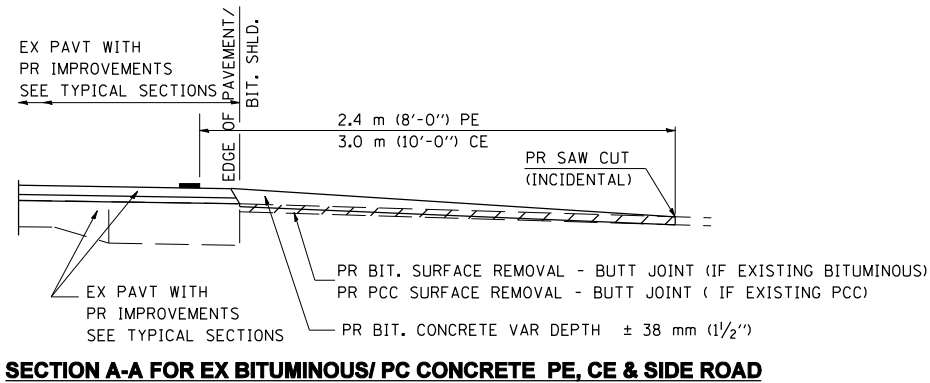
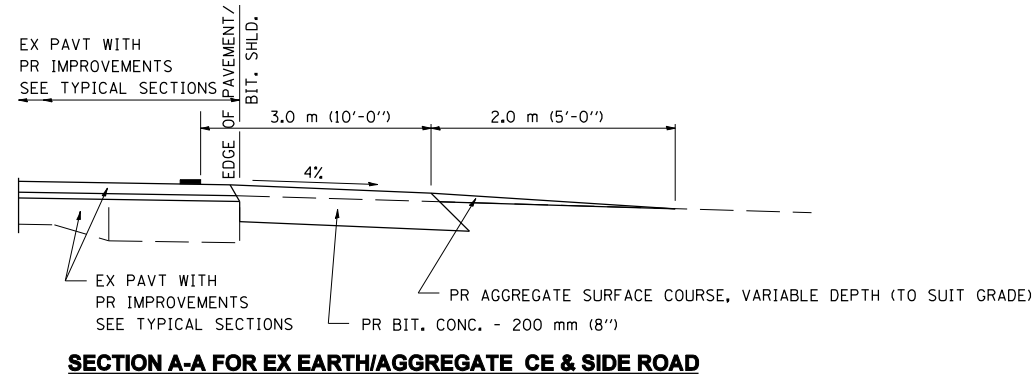
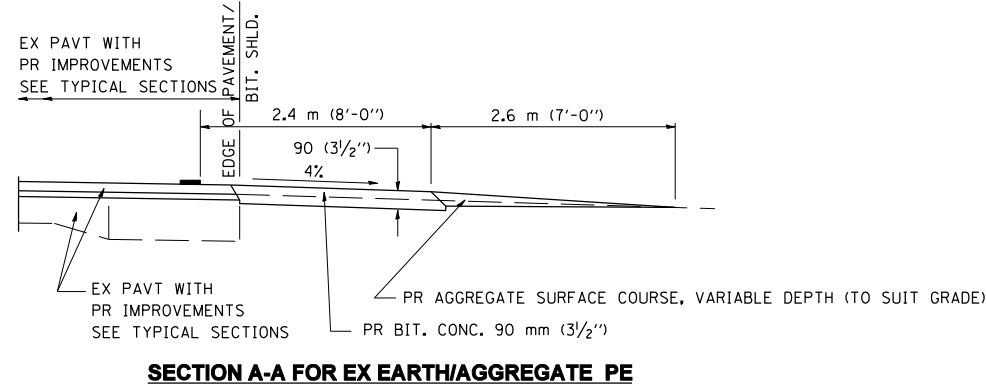
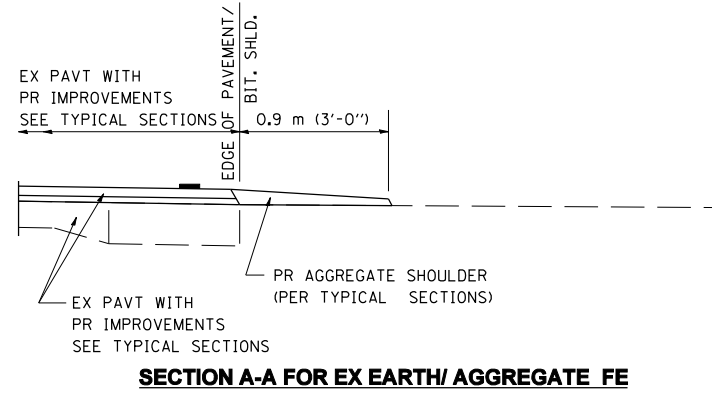
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS SHEET
FAP 321 (US 54)
SECTION 18(N-1,TS)
PIKE COUNTY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR BITUMINOUS 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.

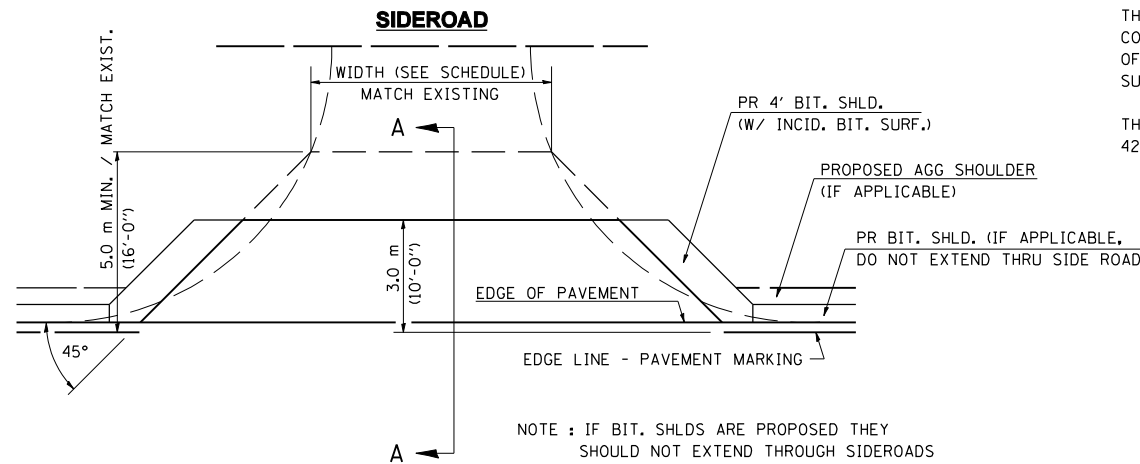
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

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

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

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

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



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ENTRANCE DETAIL SHEET
 FAP 321 (US 54)
 SECTION 18(N-1,TS)
 PIKE COUNTY

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	39
STA. 38+30.00		TO STA. 38+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

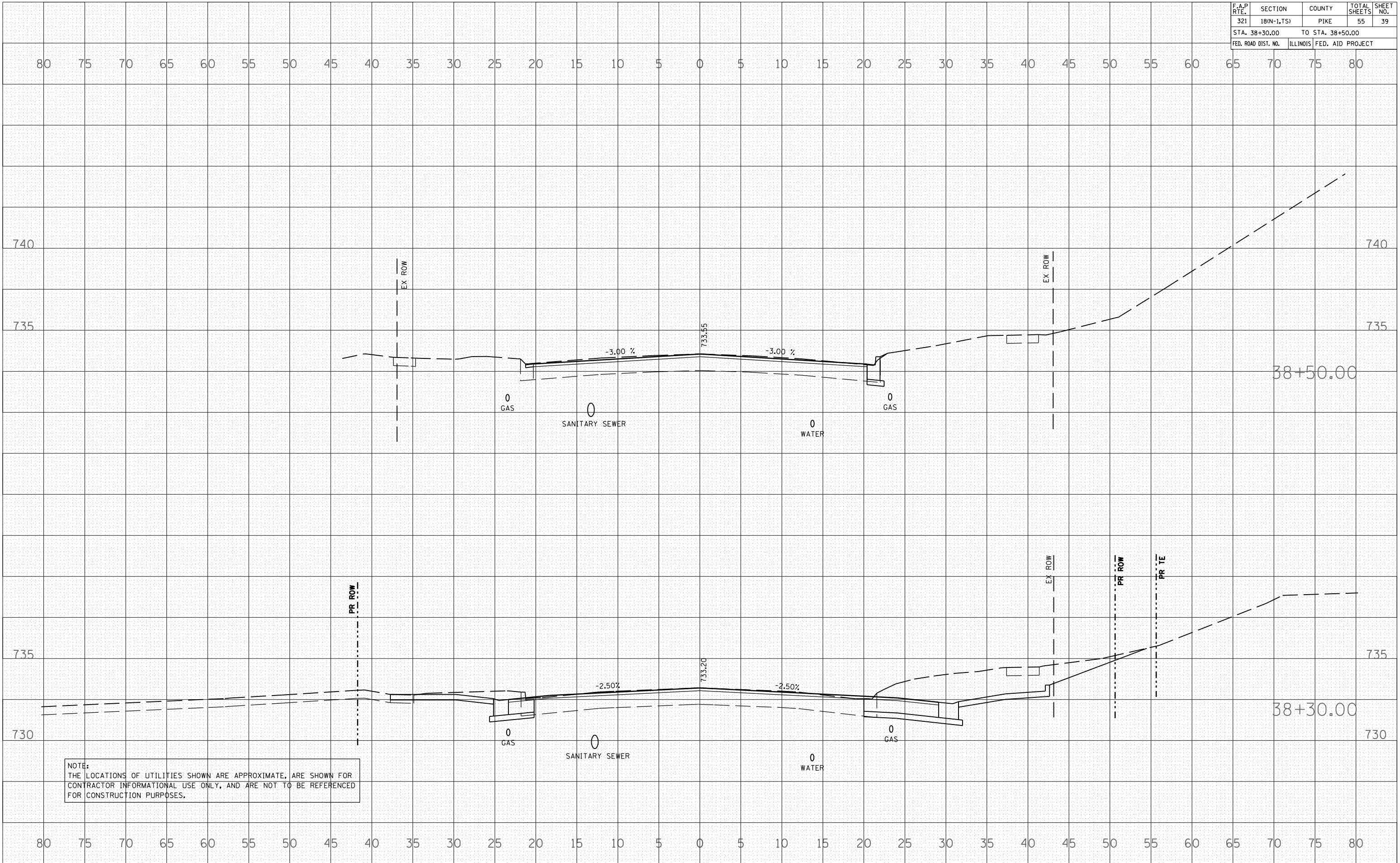
BY	DATE

NO.	AREAS CHECKED

BY	DATE

NO.	AREAS CHECKED

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 USER NAME = laughlin-1



NOTE:
 THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	47
STA. 9+58.00		TO STA. 9+72.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

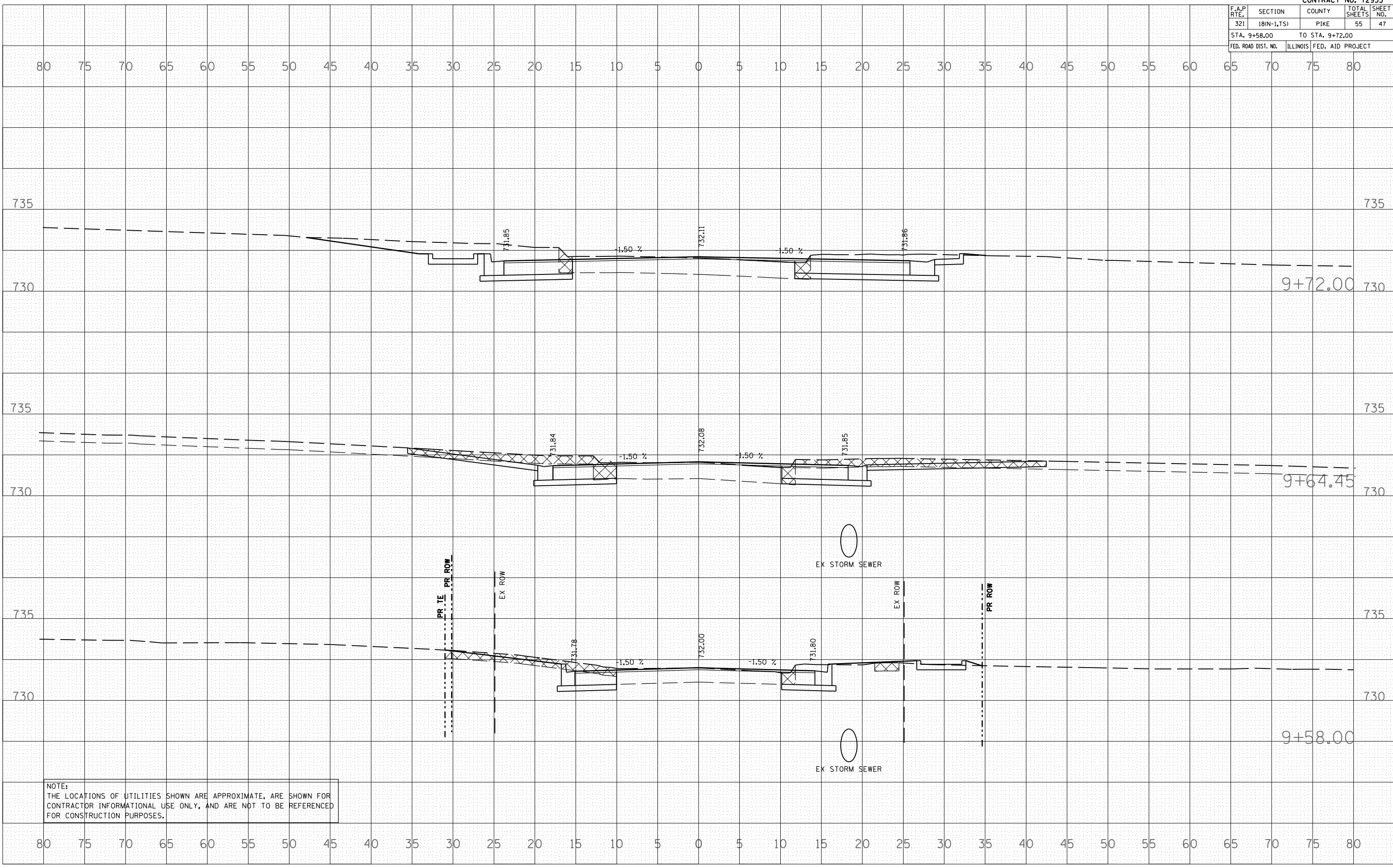
BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE	AREAS CHECKED

PLOT DATE = 04-04-2007 01:05:42PM
 FILE NAME = P:\105582\105582.dwg
 PLOT SCALE = 10.5582' = 1" IN.
 USER NAME = laughlin-1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	49
STA. 10+50.00		TO STA. 10+72.88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

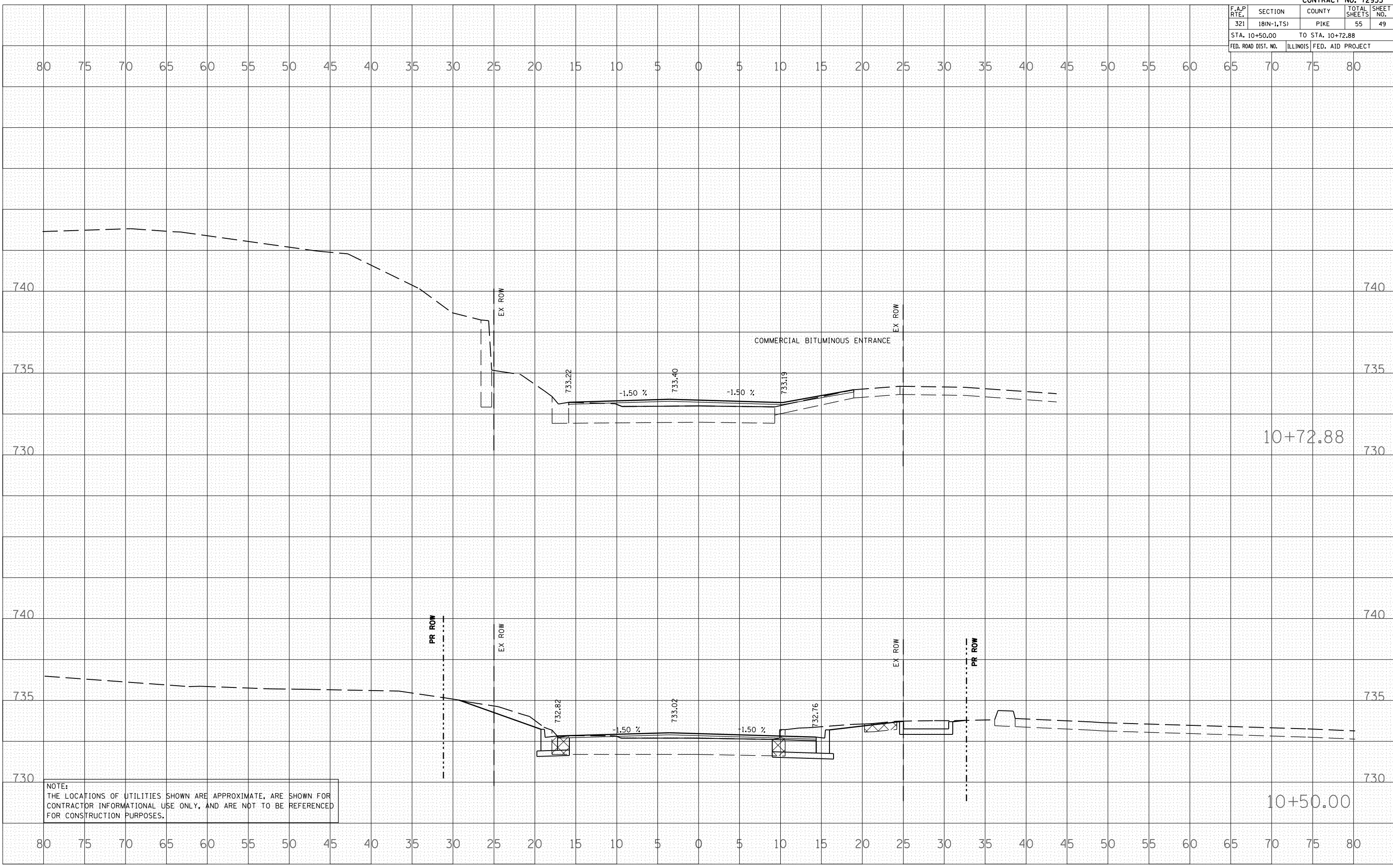
BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

PLOT DATE = 04-04-2007 01:05:44PM
 FILE NAME = I:\P\105582\105582.dwg
 PLOT SCALE = 10.5582 IN.
 USER NAME = laughlin-1



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	50
STA. 11+00.00		TO STA. 11+30.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

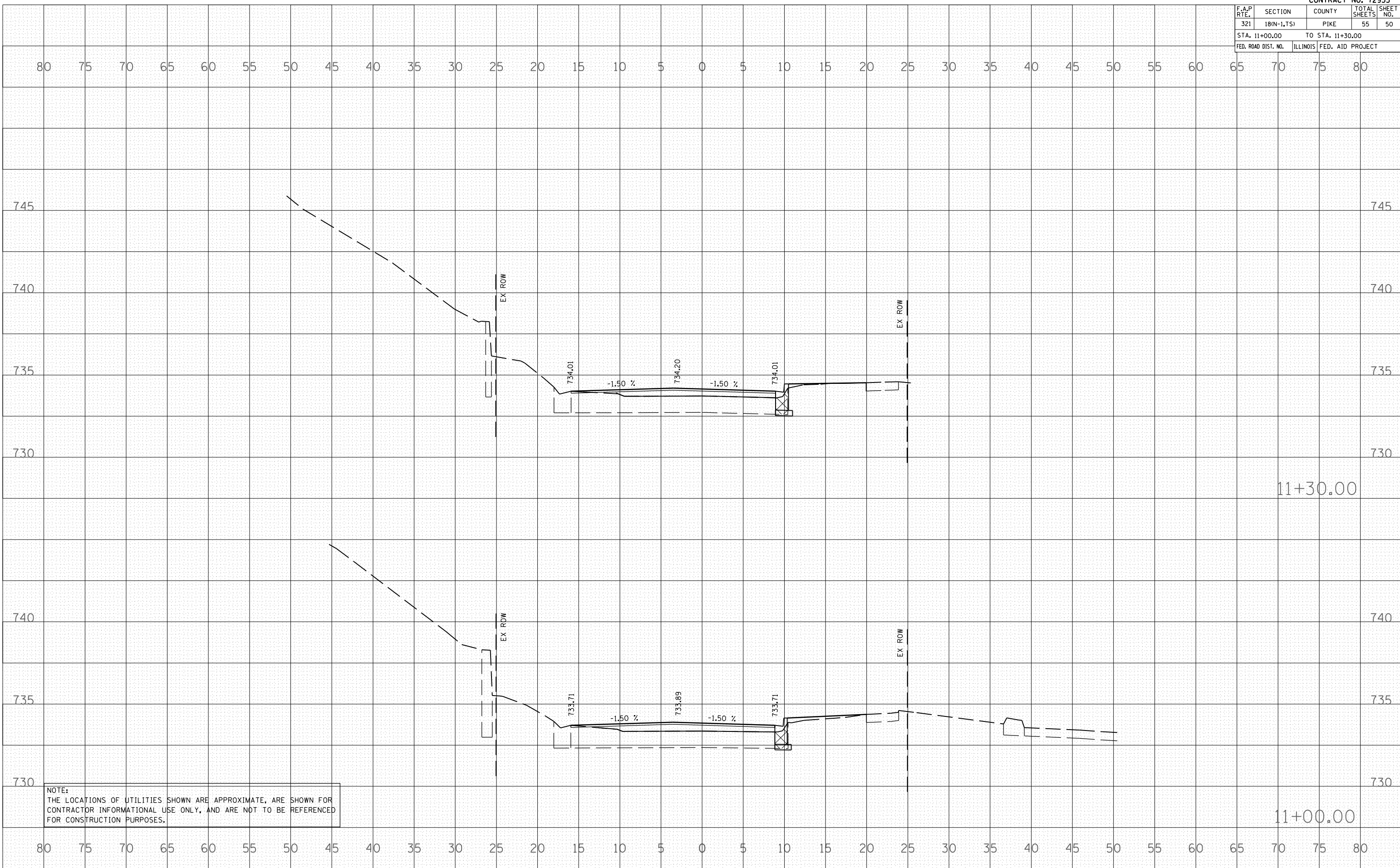
BY	DATE

NO.	AREAS CHECKED

BY	DATE

NO.	AREAS CHECKED

PLOT DATE = 04-04-2007 01:05:44PM
 FILE NAME = I:\P\105582\105582.dwg
 PLOT SCALE = 10.5582
 USER NAME = laughlin-1



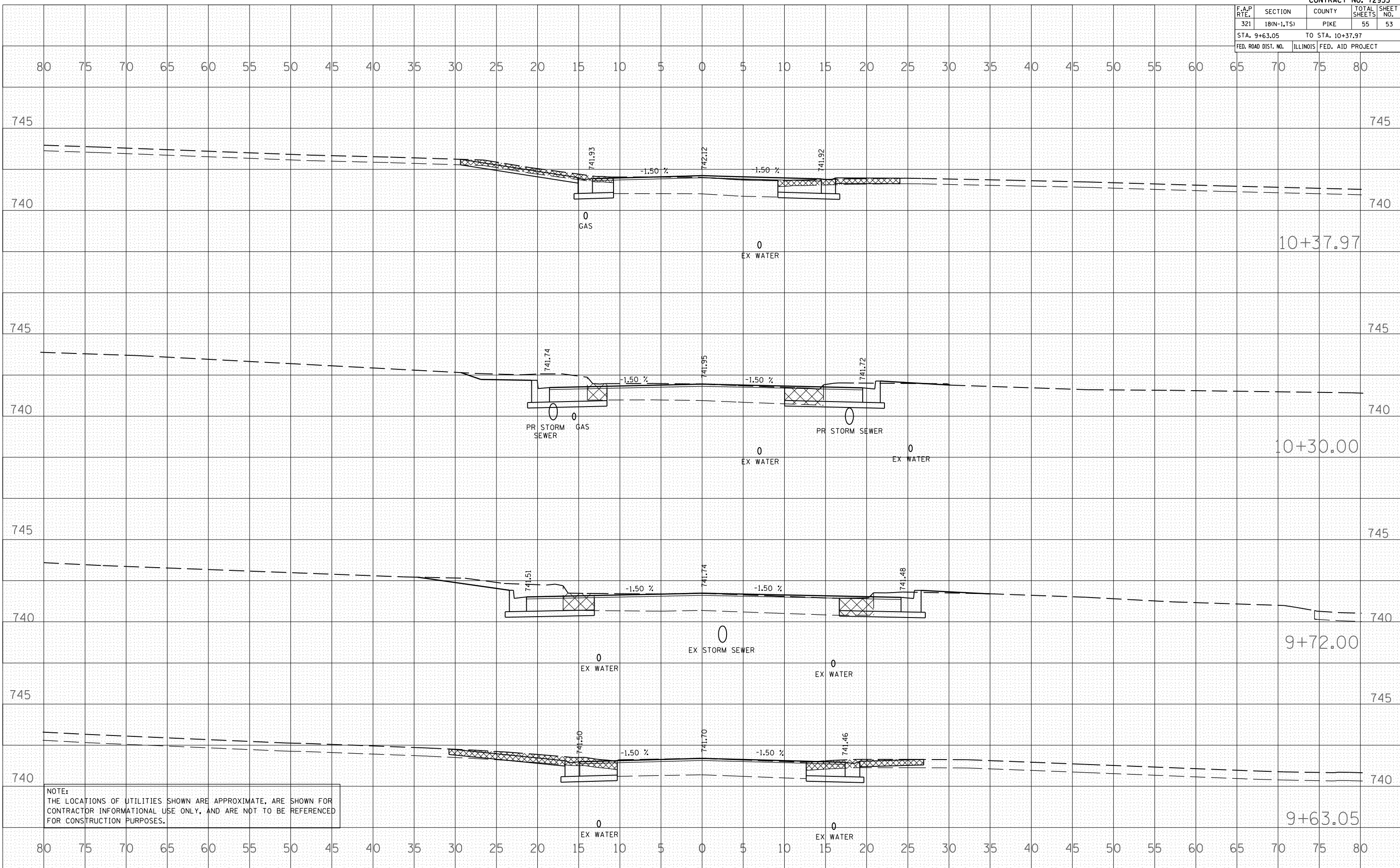
NOTE:
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	55	53
STA. 9+63.05		TO STA. 10+37.97		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = 04-04-2007 01:08:44PM
 FILE NAME = P:\105582\105582.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = laughtin-1



NOTE:
 THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR
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 FOR CONSTRUCTION PURPOSES.

