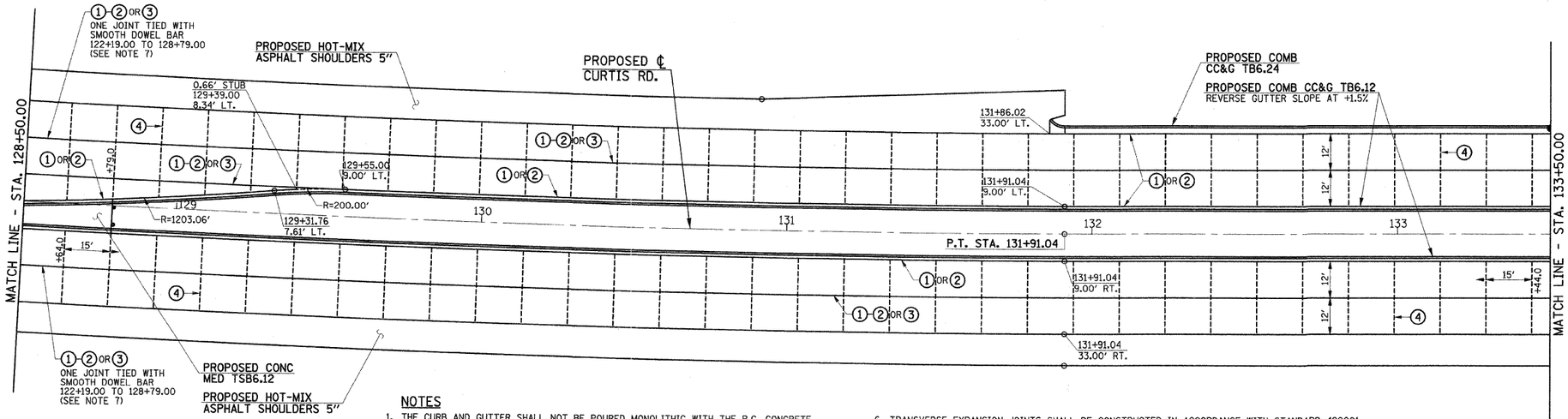
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	101
STA. 128+50.00		TO STA. 137+50.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

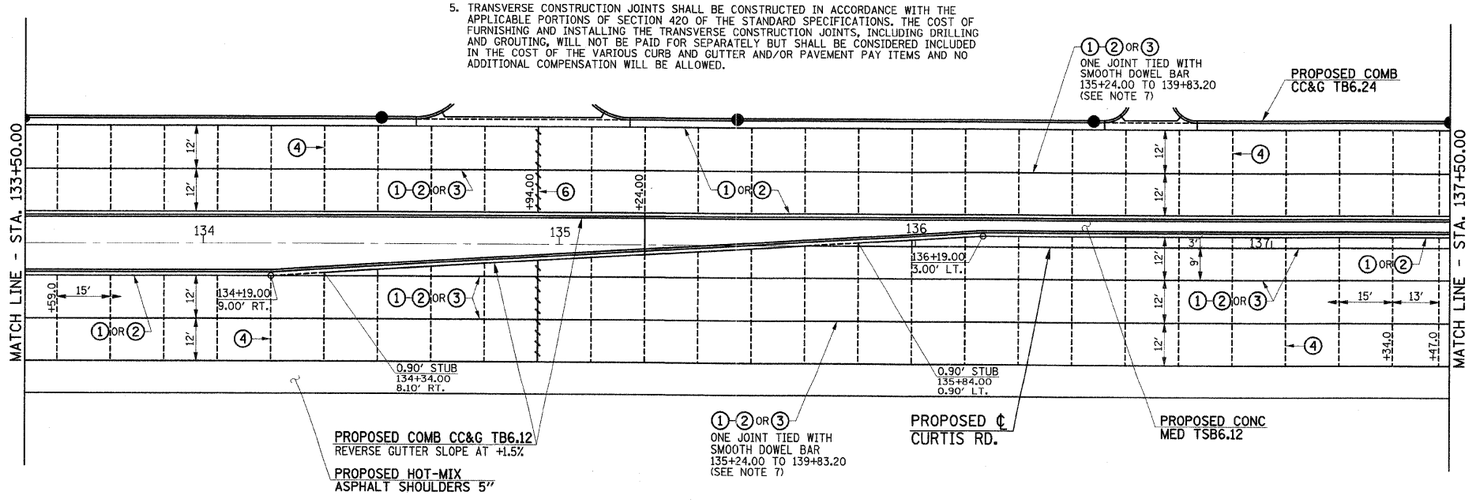
CONTRACT NO. 91368

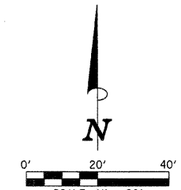


PROPOSED ℄
CURTIS RD.
CURVE DATA
P.I. STA. 129+69.15
Δ = 3°56'16"
D = 0°53'13"
T = 222.07'
R = 6460.00'
L = 443.97'
E = 3.82'
P.R.C. STA. 127+47.08
P.T. STA. 131+91.04
S.E. = NONE

NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND TRANSVERSE EXPANSION JOINTS IN THE P.C. CONCRETE PAVEMENT MUST EXTEND THROUGH THE COMBINATION CONCRETE CURB AND GUTTER.
3. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1 1/2" DIAMETER FOR THE 8" THICK PAVEMENTS.
4. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARDS 420101 AND 420106. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A STAGE CONSTRUCTION LIMIT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1 1/2" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM.
7. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE TIED WITH A SMOOTH DOWEL BAR TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
8. THE CENTERLINE LONGITUDINAL JOINT WILL NOT BE REQUIRED IN AREAS WHERE THE CENTER PAVEMENT SLAB CAN BE CONSTRUCTED FULL WIDTH. THE MAXIMUM PERMISSIBLE WIDTH OF THE CENTER SLAB IS 12 FEET.
9. ALL SAWED JOINTS IN THE P.C. CONCRETE PAVEMENT AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
10. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
11. THE PROPOSED CONCRETE MEDIANS SHALL BE TIED TO THE PAVEMENT WITH TIE BARS AS SHOWN ON THE TYPICAL SECTIONS. THE USE OF KEYED JOINTS WILL NOT BE ALLOWED.





PAVEMENT JOINT KEY

1. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
2. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PREFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)
3. SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
4. SAWED TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)
5. 1" EXPANSION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001) (NOTE : EXPANSION JOINT WIDTH MODIFIED FROM STD. 420001)
6. TRANSVERSE CONSTRUCTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)

LEGEND

- PROPOSED 1" EXPANSION JOINTS
- PROPOSED LONGITUDINAL JOINTS
- PROPOSED TRANSVERSE CONTRACTION JOINTS
- STAGE CONSTRUCTION LIMITS
- PROPOSED INLETS
- PROPOSED MANHOLES

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT JOINT PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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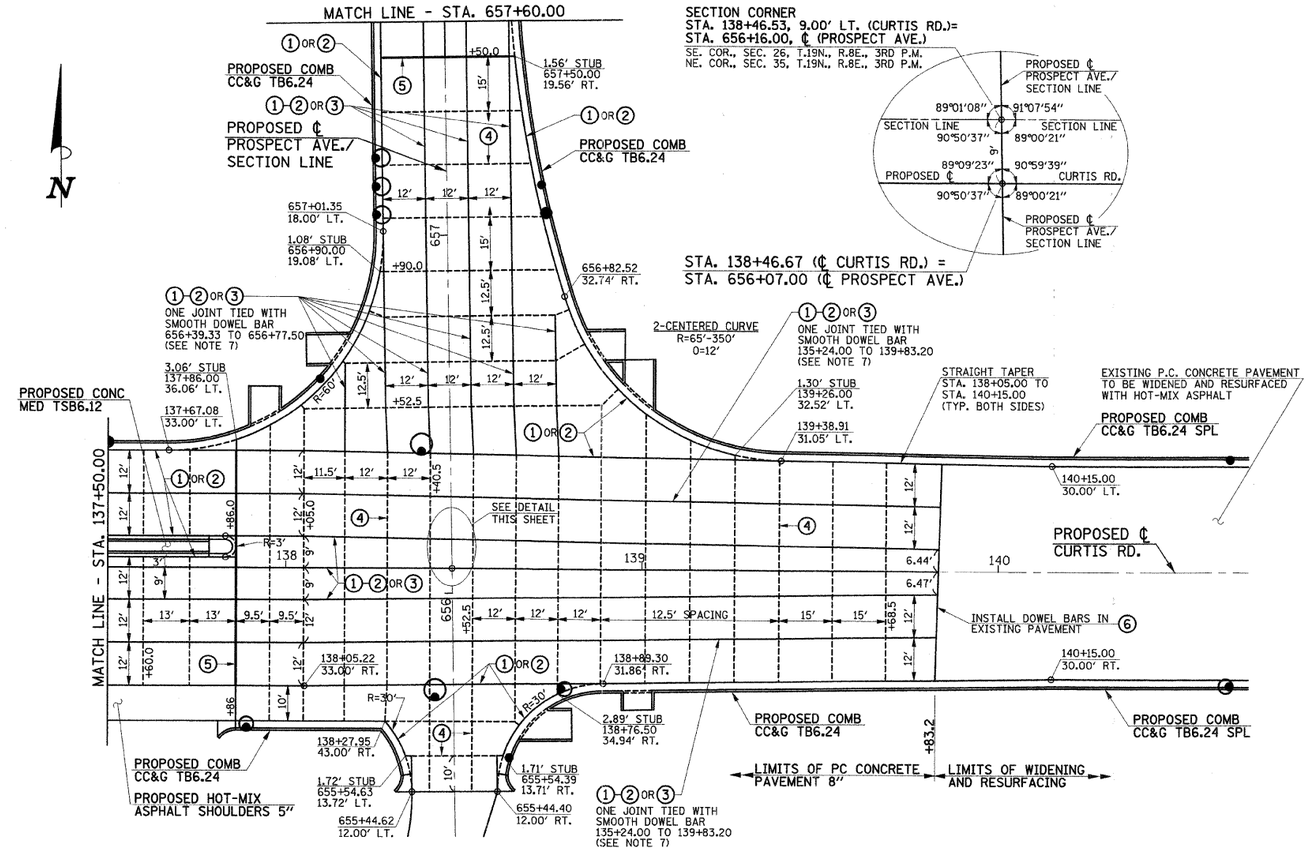
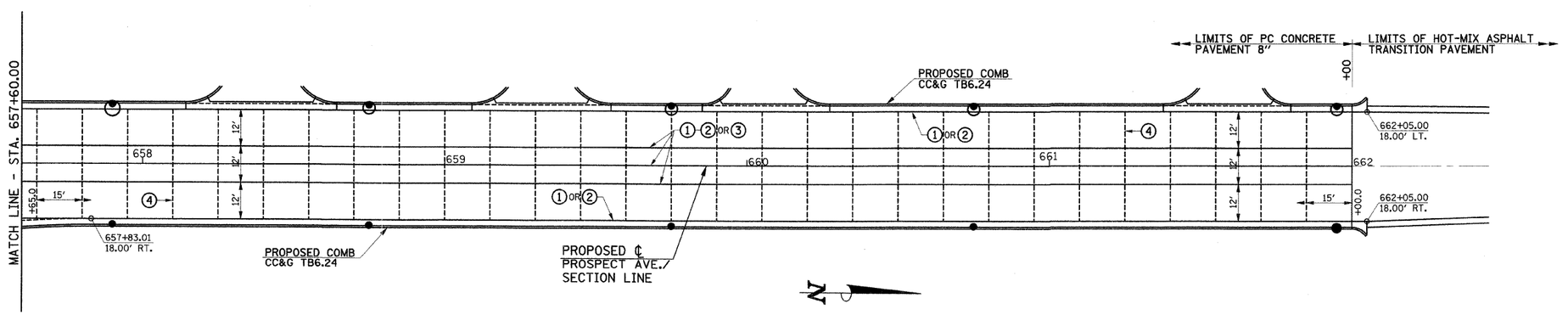
10/2/2008 9:18:08 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	102
STA.	137+50.00 656+00.00 TO STA. 140+00.00 662+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





PAVEMENT JOINT KEY

1. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
2. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PREFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)
3. SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
4. SAWED TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)
5. 1" EXPANSION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001) (NOTE : EXPANSION JOINT WIDTH MODIFIED FROM STD. 420001)
6. TRANSVERSE CONSTRUCTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)

0' 20' 40'
SCALE: 1" = 20'

NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND TRANSVERSE EXPANSION JOINTS IN THE P.C. CONCRETE PAVEMENT MUST EXTEND THROUGH THE COMBINATION CONCRETE CURB AND GUTTER.
3. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1 1/2" DIAMETER FOR THE 8" THICK PAVEMENTS.
4. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARDS 420101 AND 420106. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A STAGE CONSTRUCTION LIMIT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1 1/2" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM.
7. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE TIED WITH A SMOOTH DOWEL BAR TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
8. THE CENTERLINE LONGITUDINAL JOINT WILL NOT BE REQUIRED IN AREAS WHERE THE CENTER PAVEMENT SLAB CAN BE CONSTRUCTED FULL WIDTH. THE MAXIMUM PERMISSIBLE WIDTH OF THE CENTER SLAB IS 12 FEET.
9. ALL SAWED JOINTS IN THE P.C. CONCRETE PAVEMENT AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
10. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
11. THE PROPOSED CONCRETE MEDIANS SHALL BE TIED TO THE PAVEMENT WITH TIE BARS AS SHOWN ON THE TYPICAL SECTIONS. THE USE OF KEYED JOINTS WILL NOT BE ALLOWED.

LEGEND

- PROPOSED 1" EXPANSION JOINTS
- PROPOSED LONGITUDINAL JOINTS
- PROPOSED TRANSVERSE CONTRACTION JOINTS
- STAGE CONSTRUCTION LIMITS
- PROPOSED INLETS
- PROPOSED MANHOLES

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD/PROSPECT AVENUE PAVEMENT JOINT PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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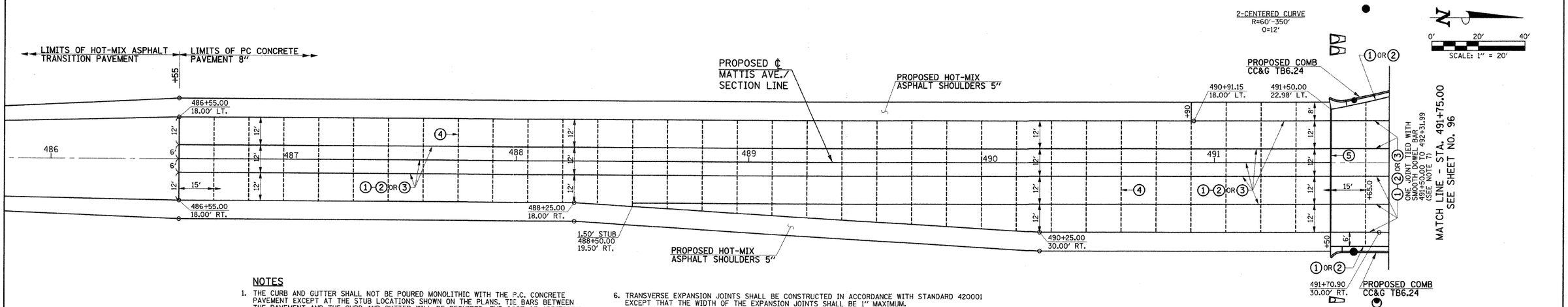
10/2/2008 9:18:09 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	103
STA. 486+00.00	TO STA. 500+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

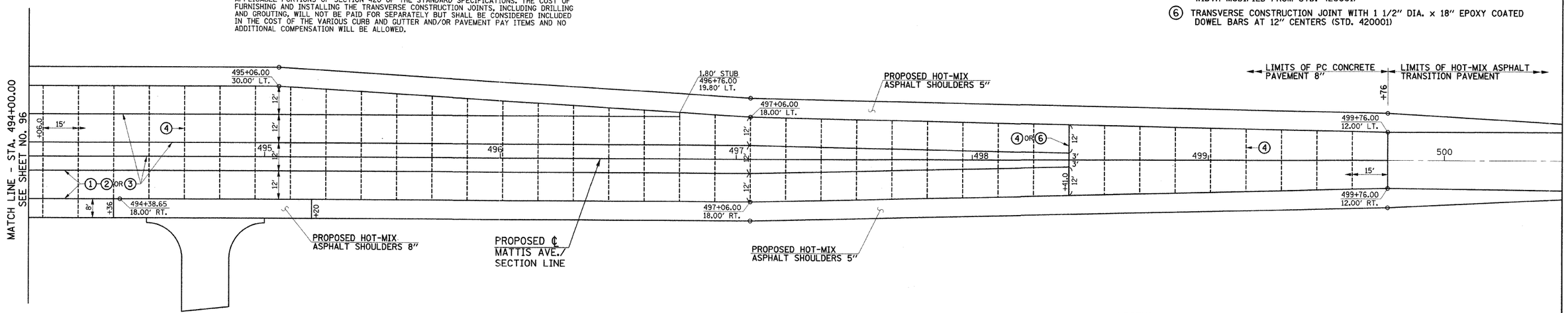


NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND TRANSVERSE EXPANSION JOINTS IN THE P.C. CONCRETE PAVEMENT MUST EXTEND THROUGH THE COMBINATION CONCRETE CURB AND GUTTER.
3. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1 1/2" DIAMETER FOR THE 8" THICK PAVEMENTS.
4. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARDS 420101 AND 420106. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A STAGE CONSTRUCTION LIMIT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1 1/2" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM.
7. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE TIED WITH A SMOOTH DOWEL BAR TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
8. THE CENTERLINE LONGITUDINAL JOINT WILL NOT BE REQUIRED IN AREAS WHERE THE CENTER PAVEMENT SLAB CAN BE CONSTRUCTED FULL WIDTH. THE MAXIMUM PERMISSIBLE WIDTH OF THE CENTER SLAB IS 12 FEET.
9. ALL SAWED JOINTS IN THE P.C. CONCRETE PAVEMENT AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
10. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
11. THE PROPOSED CONCRETE MEDIANS SHALL BE TIED TO THE PAVEMENT WITH TIE BARS AS SHOWN ON THE TYPICAL SECTIONS. THE USE OF KEYED JOINTS WILL NOT BE ALLOWED.

PAVEMENT JOINT KEY

1. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
2. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PREFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)
3. SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
4. SAWED TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)
5. 1" EXPANSION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001) (NOTE : EXPANSION JOINT WIDTH MODIFIED FROM STD. 420001)
6. TRANSVERSE CONSTRUCTION JOINT WITH 1 1/2" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)



LEGEND

- PROPOSED 1" EXPANSION JOINTS
- PROPOSED LONGITUDINAL JOINTS
- PROPOSED TRANSVERSE CONTRACTION JOINTS
- STAGE CONSTRUCTION LIMITS
- PROPOSED INLETS
- PROPOSED MANHOLES

ILLINOIS DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE
PAVEMENT JOINT PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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10/2/2008 9:18:10 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	104
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

NOTES

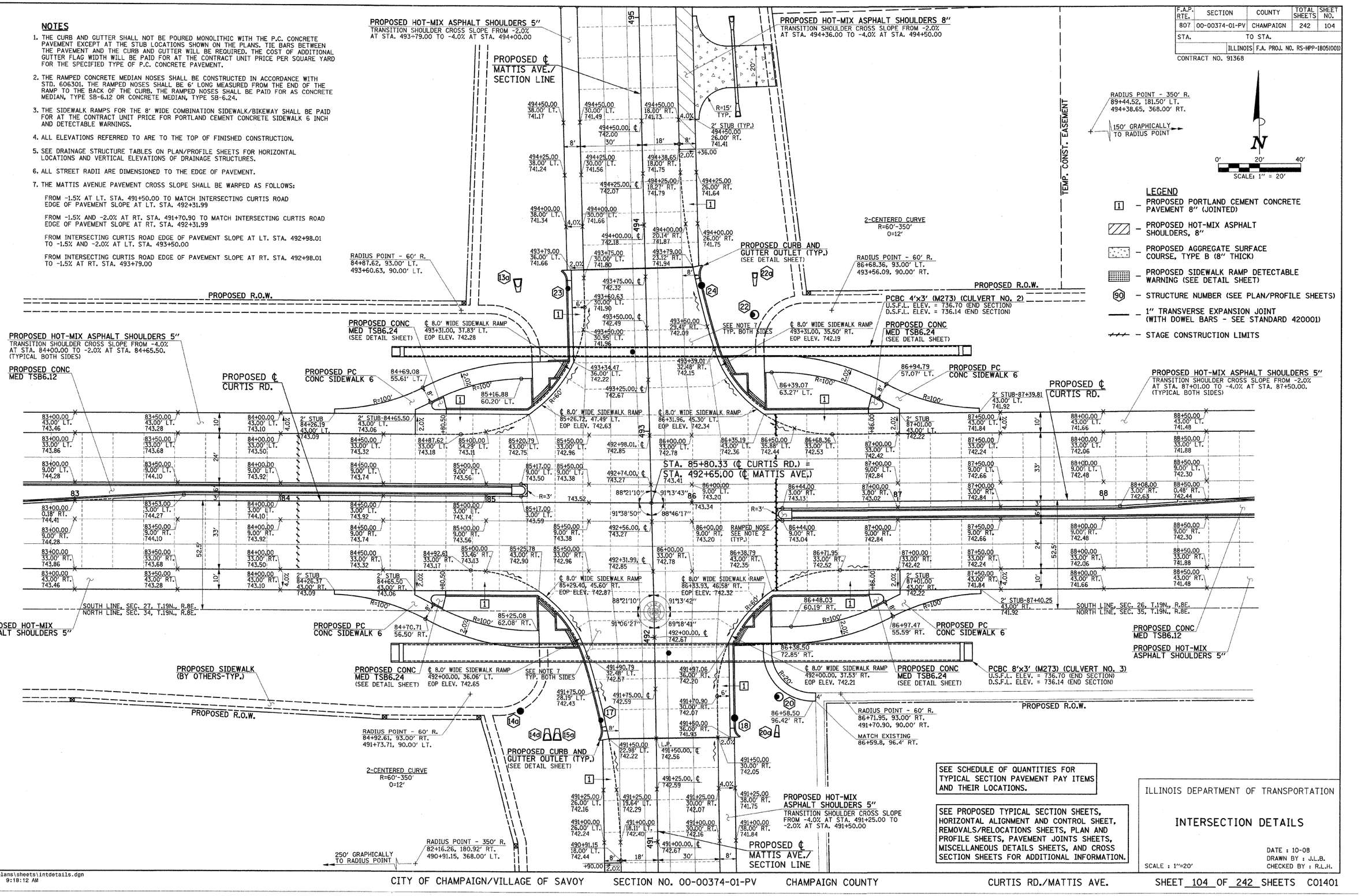
1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. THE RAMPED CONCRETE MEDIAN NOSES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301. THE RAMPED NOSES SHALL BE 6' LONG MEASURED FROM THE END OF THE RAMP TO THE BACK OF THE CURB. THE RAMPED NOSES SHALL BE PAID FOR AS CONCRETE MEDIAN, TYPE SB-6.12 OR CONCRETE MEDIAN, TYPE SB-6.24.
3. THE SIDEWALK RAMPS FOR THE 8' WIDE COMBINATION SIDEWALK/BIKEWAY SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH AND DETECTABLE WARNINGS.
4. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED CONSTRUCTION.
5. SEE DRAINAGE STRUCTURE TABLES ON PLAN/PROFILE SHEETS FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
6. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.
7. THE MATTIS AVENUE PAVEMENT CROSS SLOPE SHALL BE WARPED AS FOLLOWS:

   FROM -1.5% AT LT. STA. 491+50.00 TO MATCH INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT LT. STA. 492+31.99

   FROM -1.5% AND -2.0% AT RT. STA. 491+70.90 TO MATCH INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT RT. STA. 492+31.99

   FROM INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT LT. STA. 492+98.01 TO -1.5% AND -2.0% AT LT. STA. 493+50.00

   FROM INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT RT. STA. 492+98.01 TO -1.5% AT RT. STA. 493+79.00



SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN AND PROFILE SHEETS, PAVEMENT JOINTS SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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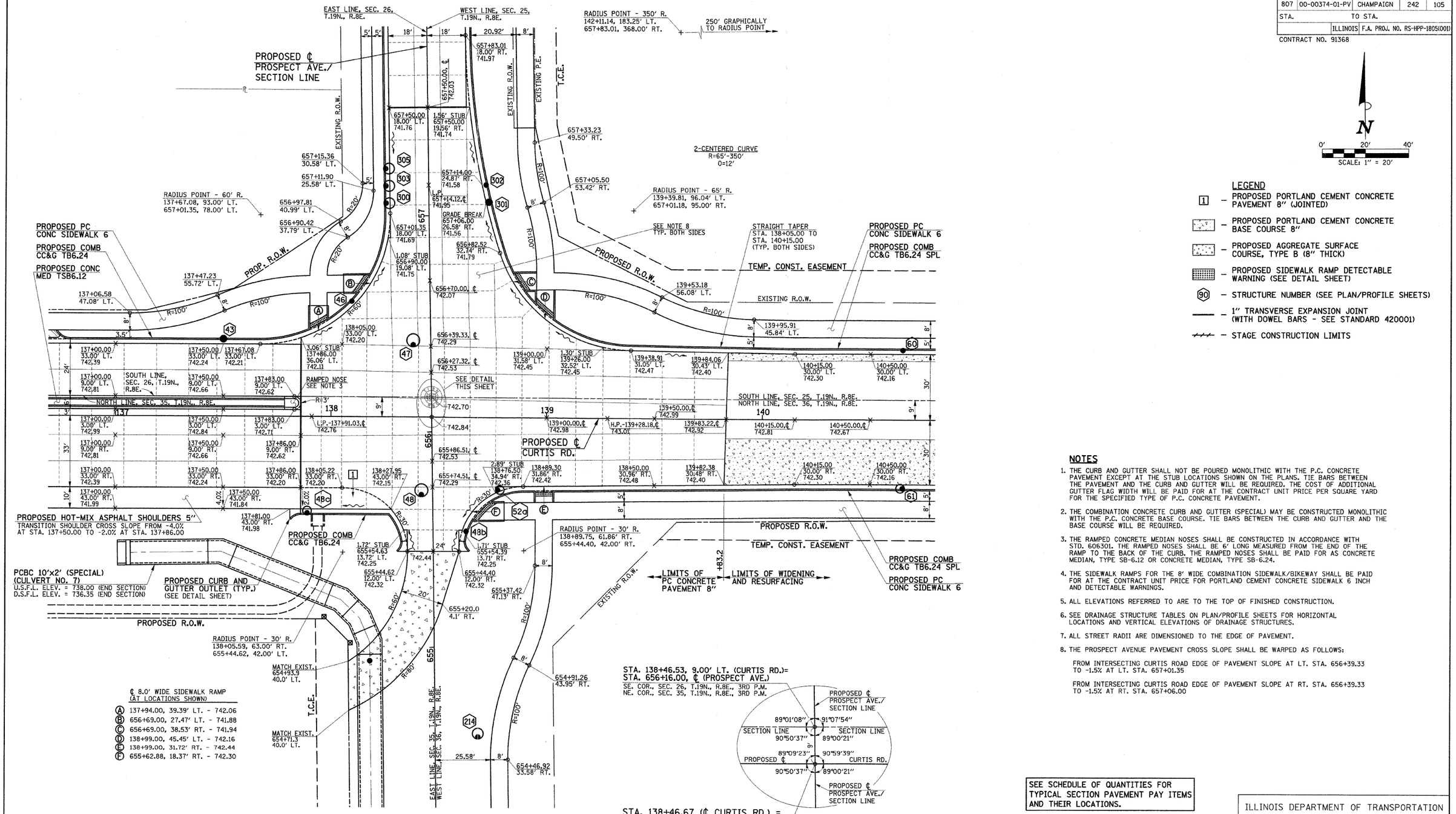
10/2/2008 9:18:12 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	105
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



N

0' 20' 40'

SCALE: 1" = 20'

LEGEND

- [1] – PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- – PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 8"
- – PROPOSED AGGREGATE SURFACE COURSE, TYPE B (8" THICK)
- – PROPOSED SIDEWALK RAMP DETECTABLE WARNING (SEE DETAIL SHEET)
- (90) – STRUCTURE NUMBER (SEE PLAN/PROFILE SHEETS)
- – 1" TRANSVERSE EXPANSION JOINT (WITH DOWEL BARS - SEE STANDARD 420001)
- – STAGE CONSTRUCTION LIMITS

NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. THE COMBINATION CONCRETE CURB AND GUTTER (SPECIAL) MAY BE CONSTRUCTED MONOLITHIC WITH THE P.C. CONCRETE BASE COURSE. TIE BARS BETWEEN THE CURB AND GUTTER AND THE BASE COURSE WILL BE REQUIRED.
3. THE RAMPED CONCRETE MEDIAN NOSES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301. THE RAMPED NOSES SHALL BE 6' LONG MEASURED FROM THE END OF THE RAMP TO THE BACK OF THE CURB. THE RAMPED NOSES SHALL BE PAID FOR AS CONCRETE MEDIAN, TYPE SB-6.12 OR CONCRETE MEDIAN, TYPE SB-6.24.
4. THE SIDEWALK RAMPS FOR THE 8' WIDE COMBINATION SIDEWALK/BIKEWAY SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH AND DETECTABLE WARNINGS.
5. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED CONSTRUCTION.
6. SEE DRAINAGE STRUCTURE TABLES ON PLAN/PROFILE SHEETS FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.
8. THE PROSPECT AVENUE PAVEMENT CROSS SLOPE SHALL BE WARPED AS FOLLOWS:

   FROM INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT LT. STA. 656+39.33 TO -1.5% AT LT. STA. 657+01.35

   FROM INTERSECTING CURTIS ROAD EDGE OF PAVEMENT SLOPE AT RT. STA. 656+39.33 TO -1.5% AT RT. STA. 657+06.00

SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN AND PROFILE SHEETS, PAVEMENT JOINTS SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

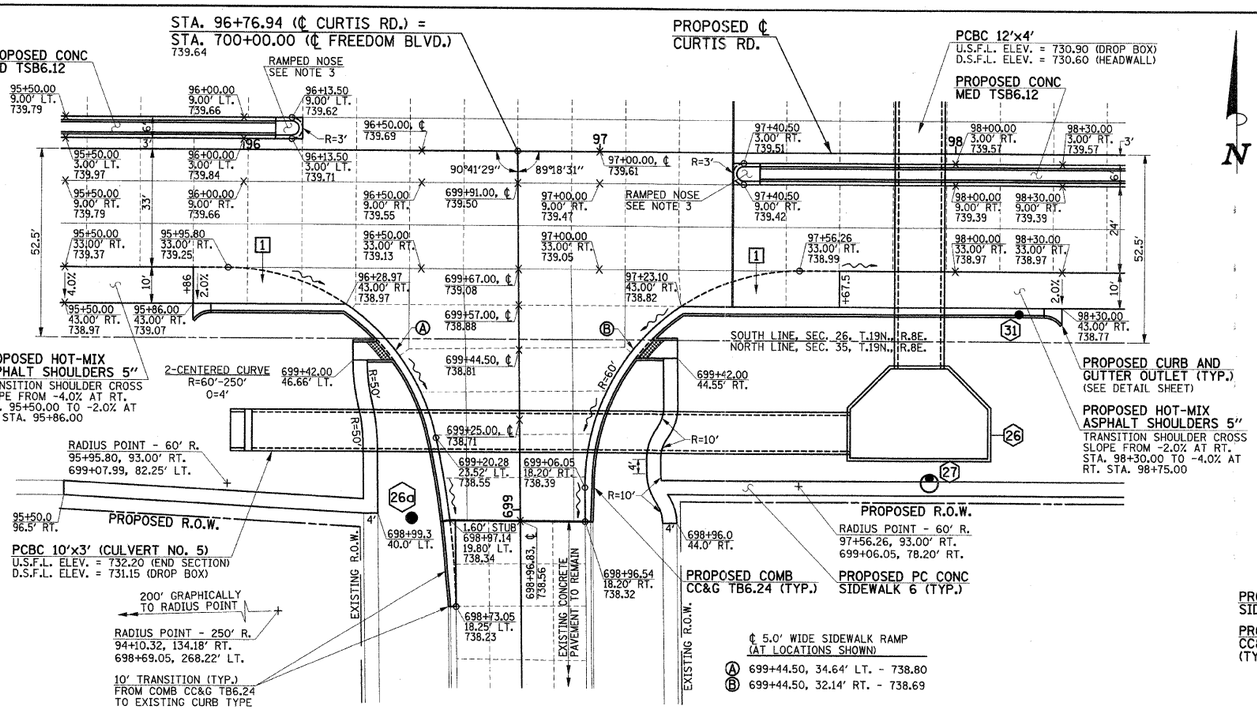
INTERSECTION DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : 1"=20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	106
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



CURTIS RD./ FREEDOM BLVD.

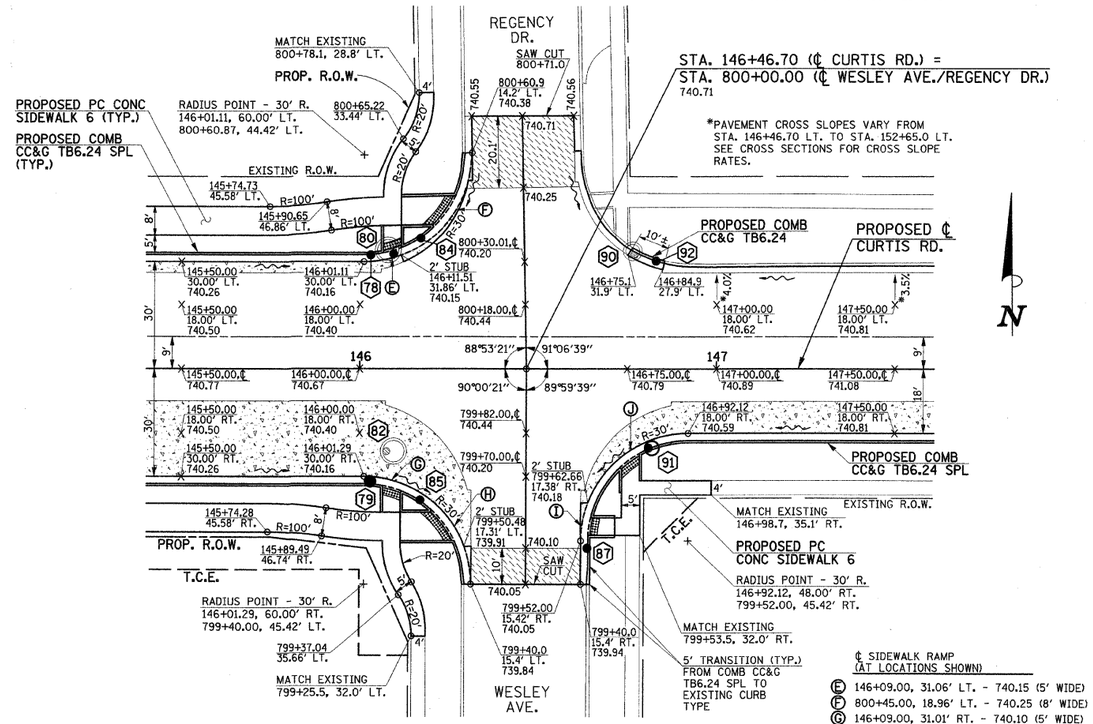
NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. THE COMBINATION CONCRETE CURB AND GUTTER (SPECIAL) MAY BE CONSTRUCTED MONOLITHIC WITH THE P.C. CONCRETE BASE COURSE. TIE BARS BETWEEN THE CURB AND GUTTER AND THE BASE COURSE WILL BE REQUIRED.
3. THE RAMPED CONCRETE MEDIAN NOSES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301. THE RAMPED NOSES SHALL BE 6' LONG MEASURED FROM THE END OF THE RAMP TO THE BACK OF THE CURB. THE RAMPED NOSES SHALL BE PAID FOR AS CONCRETE MEDIAN, TYPE SB-6.12 OR CONCRETE MEDIAN, TYPE SB-6.24.
4. THE SIDEWALK RAMPS FOR THE 8' WIDE COMBINATION SIDEWALK/BIKEWAY SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH AND DETECTABLE WARNINGS.
5. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED CONSTRUCTION.
6. SEE DRAINAGE STRUCTURE TABLES ON PLAN/PROFILE SHEETS FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
7. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.

0' 20' 40'
SCALE: 1" = 20'

LEGEND

- [1] – PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- – PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 8"
- – PROPOSED PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (SEE DETAIL)
- – PROPOSED SIDEWALK RAMP DETECTABLE WARNING (SEE DETAIL SHEET)
- (90) – STRUCTURE NUMBER (SEE PLAN/PROFILE SHEETS)
- – 1" TRANSVERSE EXPANSION JOINT (WITH DOWEL BARS - SEE STANDARD 420001)
- – STAGE CONSTRUCTION LIMITS



CURTIS RD./WESLEY AVE./ REGENCY DR.

SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN AND PROFILE SHEETS, PAVEMENT JOINTS SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	107
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

78000100
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

	LOCATION	LETTERS (SQ FT)	SYMBOLS (SQ FT)	TOTAL (SQ FT)	COMMENTS
CHAMPAIGN SECTION	CURTIS ROAD				
	63+06 RT.	4.9			"BIKE"
	63+16 RT.	4.9			"LANE"
	63+26 RT.		4.4		DIRECTIONAL ARROW
	71+22.5 LT.		4.4		DIRECTIONAL ARROW
	71+32.5 LT.	4.9			"LANE"
	71+42.5 LT.	4.9			"BIKE"
	73+03.5 RT.	4.9			"BIKE"
	73+13.5 RT.	4.9			"LANE"
	73+23.5 RT.		4.4		DIRECTIONAL ARROW
	95+57 LT.		4.4		DIRECTIONAL ARROW
	95+67 LT.	4.9			"LANE"
	95+77 LT.	4.9			"BIKE"
	SUBTOTAL CHAMPAIGN SECTION	39.2	17.6	56.8	
SAVOY SECTION	CURTIS ROAD				
	111+13 LT.		4.4		DIRECTIONAL ARROW
	111+23 LT.	4.9			"LANE"
	111+33 LT.	4.9			"BIKE"
	112+94 RT.	4.9			"BIKE"
	113+04 RT.	4.9			"LANE"
	113+14 RT.		4.4		DIRECTIONAL ARROW
	131+65 LT.		4.4		DIRECTIONAL ARROW
	131+75 LT.	4.9			"LANE"
	131+85 LT.	4.9			"BIKE"
	143+11 ℄		31.2		DUAL LEFT TURN ARROW
	144+86 ℄		15.6		LEFT TURN ARROW
	144+86 RT.		11.5		THROUGH ARROW
	144+86 RT.		15.6		RIGHT TURN ARROW
	145+34.5 ℄		15.6		LEFT TURN ARROW
	145+34.5 RT.		11.5		THROUGH ARROW
	145+34.5 RT.		15.6		RIGHT TURN ARROW
	145+83 ℄		15.6		LEFT TURN ARROW
	145+83 RT.		11.5		THROUGH ARROW
	145+83 RT.		15.6		RIGHT TURN ARROW
	147+10 ℄		15.6		LEFT TURN ARROW
	147+58.5 ℄		15.6		LEFT TURN ARROW
	148+07 ℄		15.6		LEFT TURN ARROW
	149+60 ℄		31.2		DUAL LEFT TURN ARROW
	151+20 ℄		31.2		DUAL LEFT TURN ARROW
	SUBTOTAL SAVOY SECTION	29.4	281.7	311.1	
	TOTAL			367.9	

78000200
THERMOPLASTIC PAVEMENT MARKING - LINE 4"

	LOCATION	SKIP-DASH YELLOW (FOOT)	SOLID YELLOW (FOOT)	DOUBLE YELLOW NARROW (FOOT)	SKIP-DASH WHITE (FOOT)	SOLID WHITE (FOOT)	LANE LINE EXTENSIONS WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	CURTIS ROAD							
	63+00 TO 84+65.5 LT. & RT.					4334		
	87+01 TO 98+96.2 LT. & RT.					2219		
	MATTIS AVENUE							
	483+85 TO 486+55 LT. & RT.			1049		540		
	499+76 TO 500+76 LT. & RT.			200		200		
	SUBTOTAL CHAMPAIGN SECTION			1249		7293		8542
SAVOY SECTION	CURTIS ROAD							
	98+96.2 LT. TO 131+91 LT.					3296		
	98+96.2 RT. TO 137+86 RT.					3889		
	142+46 TO 143+76 LT. & RT.	80						
	149+35 TO 152+65 LT. & RT.	180						
	142+26 TO 144+06 LT. & RT.		360					
	149+07 TO 152+65 LT. & RT.		716					
	139+83.2 TO 142+26 LT. & RT.			971				
	144+06 LT. TO 146+01 LT.			390				
	146+92 RT. TO 149+07 RT.			430				
	139+90 LT. TO 146+00 LT.				160			
	139+90 RT. TO 140+40 RT.				20			
	144+86 RT. TO 146+01 RT.					230		
	146+60.8 LT. TO 152+65 LT.					724		
	140+66 RT. TO 144+86 RT.						104	
	PROSPECT AVENUE							
	662+00 TO 665+11.5 LT. & RT.			1192		618		
	SUBTOTAL SAVOY SECTION	260	1076	2983	180	8757	104	13360
	TOTAL							21902

78000400
THERMOPLASTIC PAVEMENT MARKING - LINE 6"

	LOCATION	CROSSWALK WHITE (FOOT)	TOTAL (FOOT)
SAVOY SECTION	CURTIS ROAD		
	146+06 TO 146+12 LT. & RT.	125	
	146+71.8 TO 146+77.8 LT. & RT.	114	
	WESLEY AVENUE		
	799+52 TO 799+60 LT. & RT.	73	
	REGENCY DRIVE		
	800+41.9 TO 800+49.9 LT. & RT.	73	
	SUBTOTAL SAVOY SECTION	385	385
	TOTAL		385

78000600
THERMOPLASTIC PAVEMENT MARKING - LINE 12"

	LOCATION	DIAGONAL YELLOW (FOOT)	DIAGONAL WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	MATTIS AVENUE			
	483+85 TO 486+55 LT. & RT.	98		
	SUBTOTAL CHAMPAIGN SECTION	98		98
SAVOY SECTION	CURTIS ROAD			
	139+83.2 TO 142+26 LT. & RT.	209		
	146+60.8 LT. TO 152+65 LT.		235	
	PROSPECT AVENUE			
	662+00 TO 665+11.5 LT. & RT.	72	31	
	SUBTOTAL SAVOY SECTION	281	266	547
	TOTAL			645

78000650
THERMOPLASTIC PAVEMENT MARKING - LINE 24"

	LOCATION	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
SAVOY SECTION	WESLEY AVENUE		
	799+48 RT.	16	
	REGENCY DRIVE		
	800+53.9 LT.	15	
	SUBTOTAL SAVOY SECTION	31	31
	TOTAL		31

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SCHEDULE OF QUANTITIES

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	108
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

78008300 POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS

	LOCATION	LETTERS (SQ FT)	SYMBOLS (SQ FT)	TOTAL (SQ FT)	COMMENTS
CHAMPAIGN SECTION	**CURTIS ROAD**				
	62+74 LT.		4.4		DIRECTIONAL ARROW
	62+84 LT.	4.9			"LANE"
	62+94 LT.	4.9			"BIKE"
	69+97.5 RT.		15.6		LEFT TURN ARROW
	70+71 RT.		15.6		LEFT TURN ARROW
	71+44.5 RT.		15.6		LEFT TURN ARROW
	83+53 RT.		15.6		LEFT TURN ARROW
	84+26.5 RT.		15.6		LEFT TURN ARROW
	85+00 RT.		15.6		LEFT TURN ARROW
	84+96.3 LT.		4.4		DIRECTIONAL ARROW
	85+06.3 LT.	4.9			"LANE"
	85+16.3 LT.	4.9			"BIKE"
	86+44.3 RT.	4.9			"BIKE"
	86+54.3 RT.	4.9			"LANE"
	86+64.3 RT.		4.4		DIRECTIONAL ARROW
	86+61 LT.		15.6		LEFT TURN ARROW
	87+34.5 LT.		15.6		LEFT TURN ARROW
	88+08 LT.		15.6		LEFT TURN ARROW
	97+38 RT.	4.9			"BIKE"
	97+48 RT.	4.9			"LANE"
	97+58 RT.		4.4		DIRECTIONAL ARROW
	97+55.5 LT.		15.6		LEFT TURN ARROW
	98+29 LT.		15.6		LEFT TURN ARROW
	MATTIS AVENUE				
	490+25 ℄		15.6		LEFT TURN ARROW
	490+25 RT.		11.5		THROUGH ARROW
	490+25 RT.		15.6		RIGHT TURN ARROW
	490+98.5 ℄		15.6		LEFT TURN ARROW
	490+98.5 RT.		11.5		THROUGH ARROW
	490+98.5 RT.		15.6		RIGHT TURN ARROW
	491+72 ℄		15.6		LEFT TURN ARROW
	491+72 RT.		11.5		THROUGH ARROW
	491+72 RT.		15.6		RIGHT TURN ARROW
	493+59 ℄		15.6		LEFT TURN ARROW
	493+59 LT.		11.5		THROUGH ARROW
	493+59 LT.		15.6		RIGHT TURN ARROW
	494+32.5 ℄		15.6		LEFT TURN ARROW
	494+32.5 LT.		11.5		THROUGH ARROW
	494+32.5 LT.		15.6		RIGHT TURN ARROW
	495+06 ℄		15.6		LEFT TURN ARROW
	495+06 LT.		11.5		THROUGH ARROW
	495+06 LT.		15.6		RIGHT TURN ARROW
	FREEDOM BOULEVARD				
	698+55.5 ℄		15.6		LEFT TURN ARROW
	699+17.5 ℄		15.6		LEFT TURN ARROW
	SUBTOTAL CHAMPAIGN SECTION	39.2	476.6	515.8	
SAVOY SECTION	**CURTIS ROAD**				
	99+02.5 LT.		15.6		LEFT TURN ARROW
	109+88 RT.		15.6		LEFT TURN ARROW
	110+61.5 RT.		15.6		LEFT TURN ARROW
	111+35 RT.		15.6		LEFT TURN ARROW
	112+92 LT.		15.6		LEFT TURN ARROW
	113+65.5 LT.		15.6		LEFT TURN ARROW
	114+39 LT.		15.6		LEFT TURN ARROW
	123+04 RT.		15.6		LEFT TURN ARROW
	123+77.5 RT.		15.6		LEFT TURN ARROW
	124+51 RT.		15.6		LEFT TURN ARROW
	126+08 LT.		15.6		LEFT TURN ARROW
	126+81.5 LT.		15.6		LEFT TURN ARROW
	127+55 LT.		15.6		LEFT TURN ARROW
	136+19 RT.		15.6		LEFT TURN ARROW
	136+92.5 RT.		15.6		LEFT TURN ARROW
	137+66 RT.		15.6		LEFT TURN ARROW
	137+64 LT.		4.4		DIRECTIONAL ARROW
	137+74 LT.	4.9			"LANE"
	137+84 LT.	4.9			"BIKE"
	139+09 RT.	4.9			"BIKE"
	139+19 RT.	4.9			"LANE"
	139+29 RT.		4.4		DIRECTIONAL ARROW
	145+80.5 LT.		4.4		DIRECTIONAL ARROW
	145+90.5 LT.	4.9			"LANE"
	146+00.5 LT.	4.9			"BIKE"
	PROSPECT AVENUE				
	656+97 ℄		15.6		LEFT TURN ARROW
	657+57.7 ℄		15.6		LEFT TURN ARROW
	658+18.3 ℄		15.6		LEFT TURN ARROW
	658+79 ℄		15.6		LEFT TURN ARROW
	SUBTOTAL SAVOY SECTION	29.4	325.2	354.6	
	TOTAL			870.4	

78008310 POLYUREA PAVEMENT MARKING TYPE II - LINE 4"

	LOCATION	SOLID YELLOW (FOOT)	DOUBLE YELLOW NARROW (FOOT)	SKIP-DASH WHITE (FOOT)	SOLID WHITE (FOOT)	LANE LINE EXTENSIONS WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	**CURTIS ROAD**						
	63+67.5 TO 71+62.5 LT. & RT.	1552					
	72+83.5 TO 85+20 LT. & RT.	2863					
	86+41 TO 96+16.5 LT. & RT.	2341					
	97+37.5 RT. TO 98+96.2 RT.	324					
	60+01.9 TO 64+12.5 LT. & RT.		1560				
	72+23 LT.		92				
	56+88 TO 84+98 LT. & RT.			1320			
	86+50 TO 98+96.2 LT. & RT.			620			
	61+00 TO 63+00 LT. & RT.				400		
	63+00 TO 85+18 LT. & RT.				4789		
	86+37 TO 98+96.2 LT. & RT.				2832		
	67+97.5 RT. TO 69+97.5 RT.					46	
	81+53 RT. TO 83+53 RT.					48	
	88+08 LT. TO 90+08 LT.					48	
	MATTIS AVENUE						
	486+55 TO 491+90 LT. & RT.		1788				
	493+41 TO 499+76 LT. & RT.		2156				
	486+55 TO 491+90 LT. & RT.				1369		
	493+41 TO 499+76 LT. & RT.				1570		
	488+25 RT. TO 490+25 RT.					96	
	495+06 LT. TO 497+06 LT.					96	
	FREEDOM BOULEVARD						
	698+55.5 LT. TO 699+35.5 LT.		160				
	698+55.5 RT. TO 699+35.5 RT.				80		
	SUBTOTAL CHAMPAIGN SECTION	7080	5756	1940	11040	334	26150
SAVOY SECTION	**CURTIS ROAD**						
	98+96.2 TO 111+53 LT. & RT.	2520					
	112+74 TO 124+69 LT. & RT.	2403					
	125+90 TO 137+86 LT. & RT.	2405					
	139+07 TO 139+83.2 LT. & RT.		312				
	98+96.2 TO 137+80 LT. & RT.			1940			
	139+10 TO 139+60 LT. & RT.			40			
	98+96.2 TO 138+28 LT. & RT.				8687		
	139+03 TO 146+06.5 LT. & RT.				1410		
	99+02.5 LT. TO 101+02.5 LT.					48	
	107+88 RT. TO 109+88 RT.					48	
	114+39 LT. TO 116+39 LT.					48	
	121+04 RT. TO 123+04 RT.					48	
	127+55 LT. TO 129+55 LT.					48	
	134+19 RT. TO 136+19 RT.					48	
	PROSPECT AVENUE						
	656+79 TO 662+00 LT. & RT.		1666				
	656+79 LT. TO 658+79 LT.				200		
	660+44 RT. TO 662+00 RT.				156		
	658+79 LT. TO 660+44 LT.					38	
	SUBTOTAL SAVOY SECTION	7328	1978	1980	10453	326	22065
	TOTAL						48215

78008330 POLYUREA PAVEMENT MARKING TYPE II - LINE 6"

	LOCATION	CROSSWALK WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	**CURTIS ROAD**		
	85+24 TO 85+32 LT. & RT.	188	
	86+29 TO 86+37 LT. & RT.	185	
	MATTIS AVENUE		
	491+96 TO 492+04 LT. & RT.	148	
	493+27 TO 493+35 LT. & RT.	148	
	FREEDOM BOULEVARD		
	699+41.5 TO 699+47.5 LT. & RT.	134	
	SUBTOTAL CHAMPAIGN SECTION	803	803
SAVOY SECTION	**CURTIS ROAD**		
	137+90 TO 137+98 LT. & RT.	145	
	138+95 TO 139+03 LT. & RT.	155	
	PROSPECT AVENUE		
	655+58.9 TO 655+69.8 LT. & RT.	83	
	656+65 TO 656+73 LT. & RT.	133	
	SUBTOTAL SAVOY SECTION	516	516
	TOTAL		1319

78008350 POLYUREA PAVEMENT MARKING TYPE II - LINE 12"

	LOCATION	DIAGONAL YELLOW (FOOT)	DIAGONAL WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	**CURTIS ROAD**			
	60+01.9 TO 64+12.5 LT. & RT.	337		
	72+83.5 TO 76+48.5 LT. & RT.	228		
	92+51.5 TO 96+16.5 LT. & RT.	228		
	MATTIS AVENUE			
	486+55 TO 490+25 LT. & RT.	215		
	495+06 TO 499+76 LT. & RT.	175		
	SUBTOTAL CHAMPAIGN SECTION	1183		1183
SAVOY SECTION	**CURTIS ROAD**			
	139+07 TO 139+83.2 LT. & RT.	62		
	PROSPECT AVENUE			
	658+79 TO 662+00 LT. & RT.	166		
	660+44 RT. TO 662+00 RT.		16	
	SUBTOTAL SAVOY SECTION	228	16	244
	TOTAL			1427

78008370 POLYUREA PAVEMENT MARKING TYPE II - LINE 24"

	LOCATION	STOP BAR WHITE (FOOT)	TOTAL (FOOT)
CHAMPAIGN SECTION	**CURTIS ROAD**		
	72+23 LT.	21	
	85+20 LT. & RT.	43	
	86+41 LT. & RT.	43	
	MATTIS AVENUE		
	491+92 LT. & RT.	40	
	493+39 LT. & RT.	40	
	FREEDOM BOULEVARD		
	699+37.5 LT. & RT.	33	
	SUBTOTAL CHAMPAIGN SECTION	220	220
SAVOY SECTION	**CURTIS ROAD**		
	137+86 LT. & RT.	36	
	139+07 LT.	32	
	PROSPECT AVENUE		
	655+54.9 LT.	14	
	656+77 LT. & RT.	29	
	SUBTOTAL SAVOY SECTION	111	111
	TOTAL		331

78300100 PAVEMENT MARKING REMOVAL

	LOCATION	DOUBLE YELLOW (SQ FT)	SOLID WHITE (SQ FT)	DIAGONAL YELLOW (SQ FT)	DIAGONAL WHITE (SQ FT)	TOTAL (SQ FT)
CHAMPAIGN SECTION	**CURTIS ROAD**					
	60+25 TO 61+00 LT. & RT.	101.8		45.0		
	60+25 LT. TO 61+00 LT.		24.4			
	56+65 RT. TO 61+00 RT.		143.8		144.4	
	SUBTOTAL CHAMPAIGN SECTION	101.8	168.2	45.0	144.4	459.4
	TOTAL					459.4

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

	LOCATION	EACH
SAVOY SECTION	**CURTIS ROAD**	
	138+83.2 TO 152+65 LT. & RT.	60
	SUBTOTAL SAVOY SECTION	60
	TOTAL	60

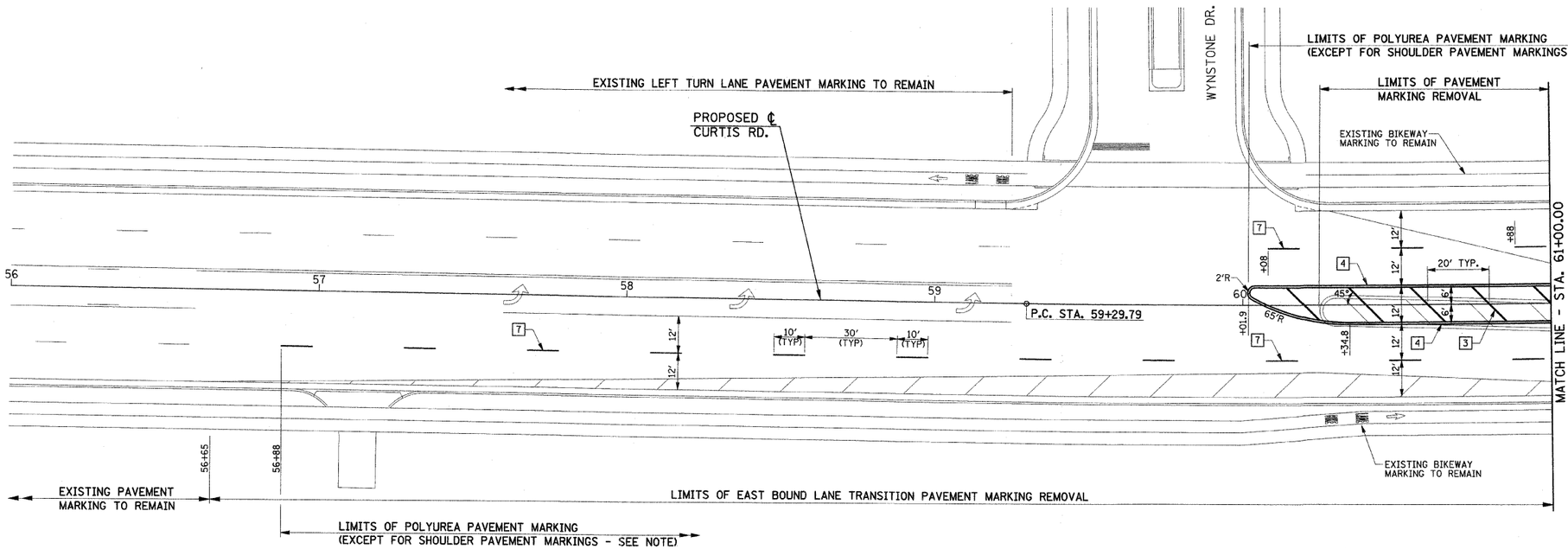
ILLINOIS DEPARTMENT OF TRANSPORTATION

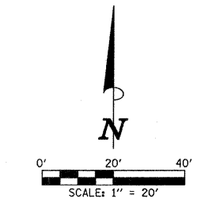
PAVEMENT MARKING SCHEDULE OF QUANTITIES

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	109
STA. 56+00.00	TO STA. 67+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

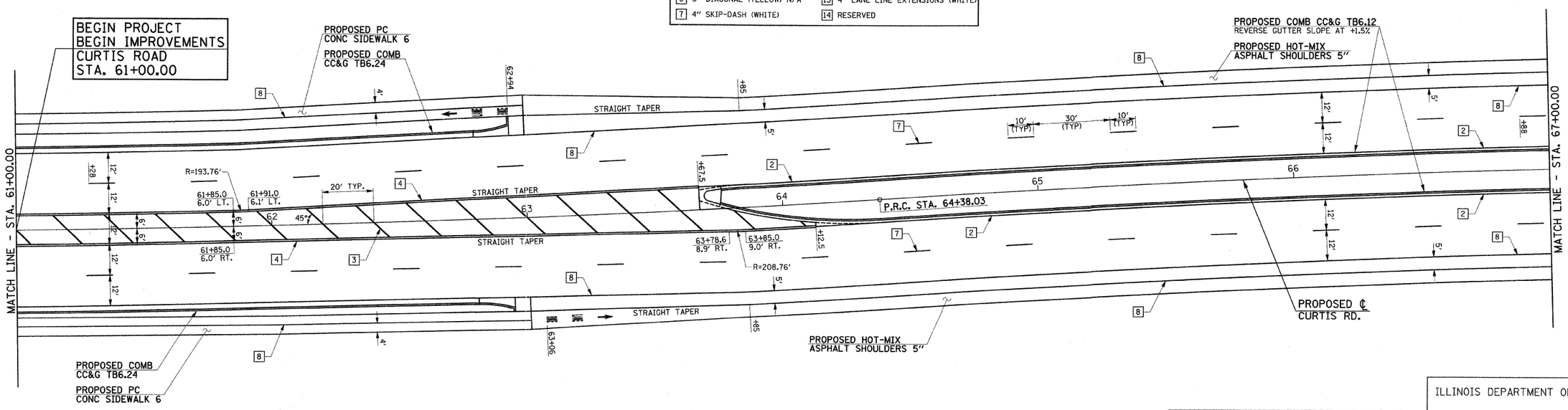




TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

PROPOSED ℄ CURTIS RD. CURVE DATA
P.I. STA. 61+84.04
Δ = 4°30'28"
D = 0°53'13"
T = 254.25'
R = 6460.00'
L = 508.24'
E = 5.00'
P.C. STA. 59+29.79
P.R.C. STA. 64+38.03
S.E. = NONE

PROPOSED ℄ CURTIS RD. CURVE DATA
P.I. STA. 67+00.29
Δ = 4°38'59"
D = 0°53'13"
T = 262.27'
R = 6460.00'
L = 524.24'
E = 5.32'
P.R.C. STA. 64+38.03
P.T. STA. 69+62.27
S.E. = NONE



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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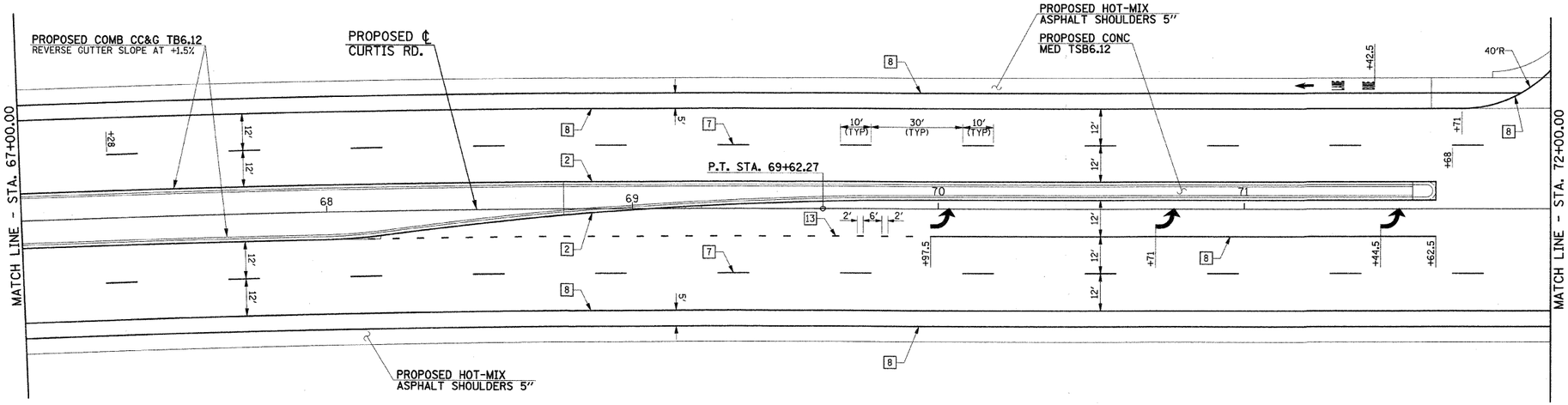
10/2/2008 9:25:01 AM

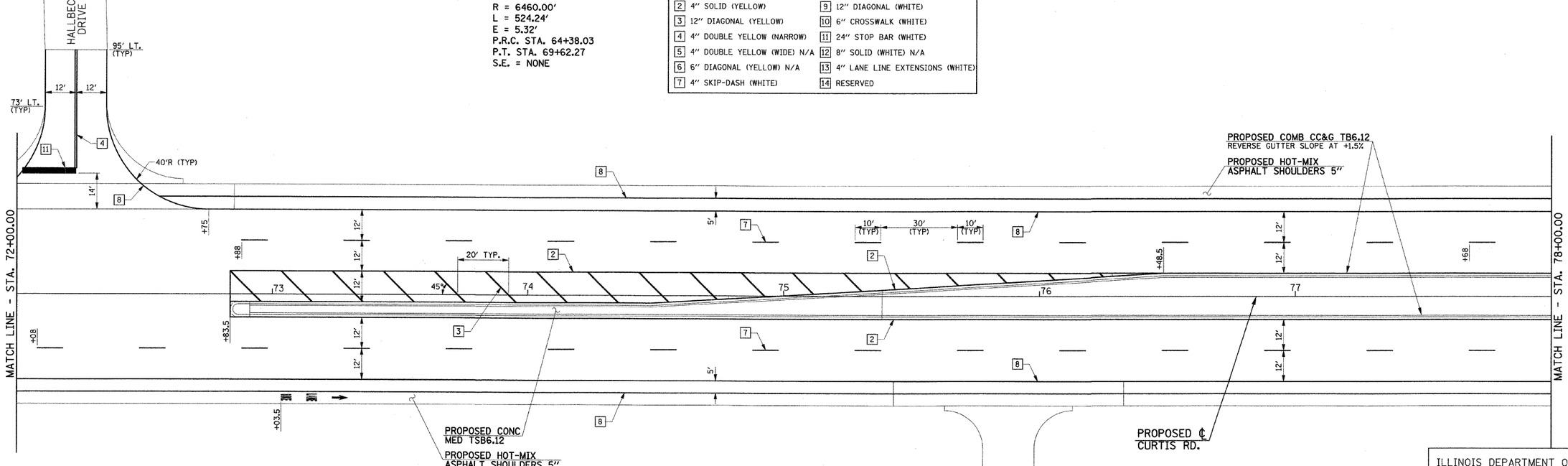
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	110
STA. 67+00.00		TO STA. 78+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

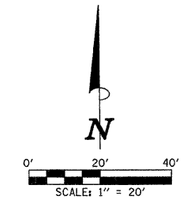


PROPOSED ℄
CURTIS RD.
CURVE DATA
P.I. STA. 67+00.29
Δ = 4°38'59"
D = 0°53'13"
T = 262.27'
R = 6460.00'
L = 524.24'
E = 5.32'
P.R.C. STA. 64+38.03
P.T. STA. 69+62.27
S.E. = NONE

TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.



ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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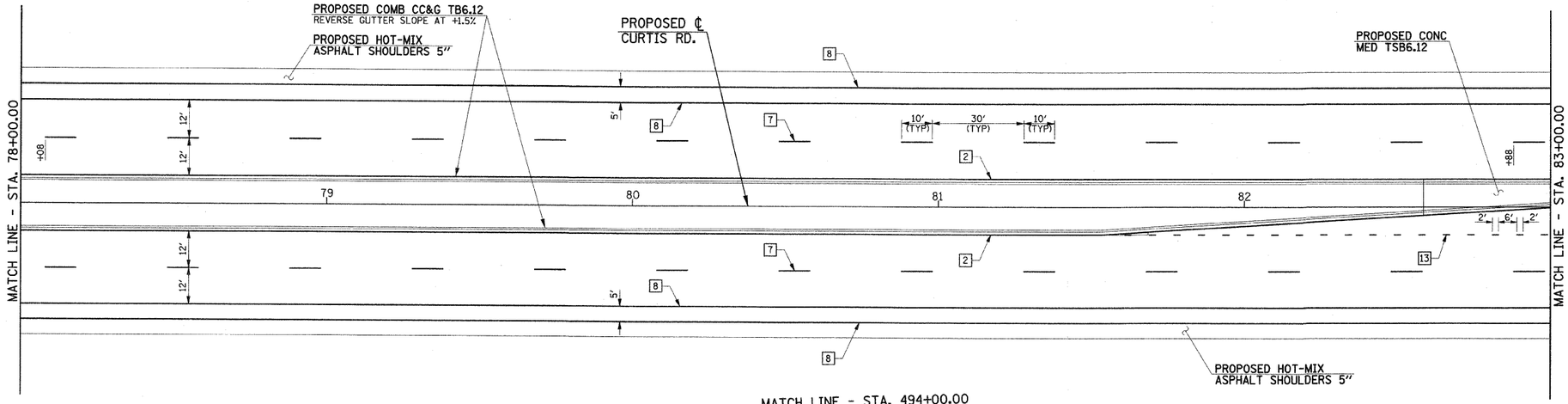
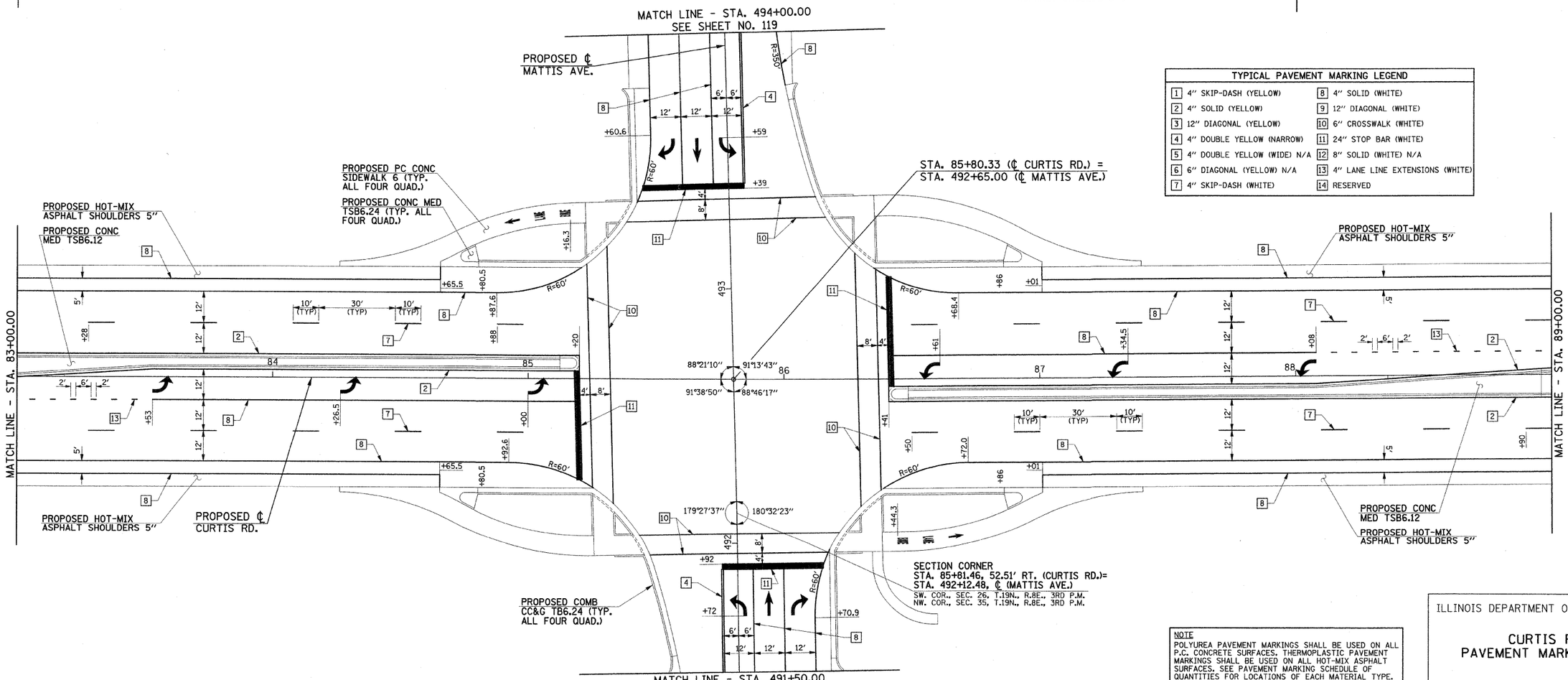
10/2/2008 9:25:01 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	111
STA. 78+00.00 491+50.00	TO STA. 89+00.00 494+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





TYPICAL PAVEMENT MARKING LEGEND	
[1] 4" SKIP-DASH (YELLOW)	[8] 4" SOLID (WHITE)
[2] 4" SOLID (YELLOW)	[9] 12" DIAGONAL (WHITE)
[3] 12" DIAGONAL (YELLOW)	[10] 6" CROSSWALK (WHITE)
[4] 4" DOUBLE YELLOW (NARROW)	[11] 24" STOP BAR (WHITE)
[5] 4" DOUBLE YELLOW (WIDE) N/A	[12] 8" SOLID (WHITE) N/A
[6] 6" DIAGONAL (YELLOW) N/A	[13] 4" LANE LINE EXTENSIONS (WHITE)
[7] 4" SKIP-DASH (WHITE)	[14] RESERVED

N

0' 20' 40'

SCALE: 1" = 20'

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : 1"=20'

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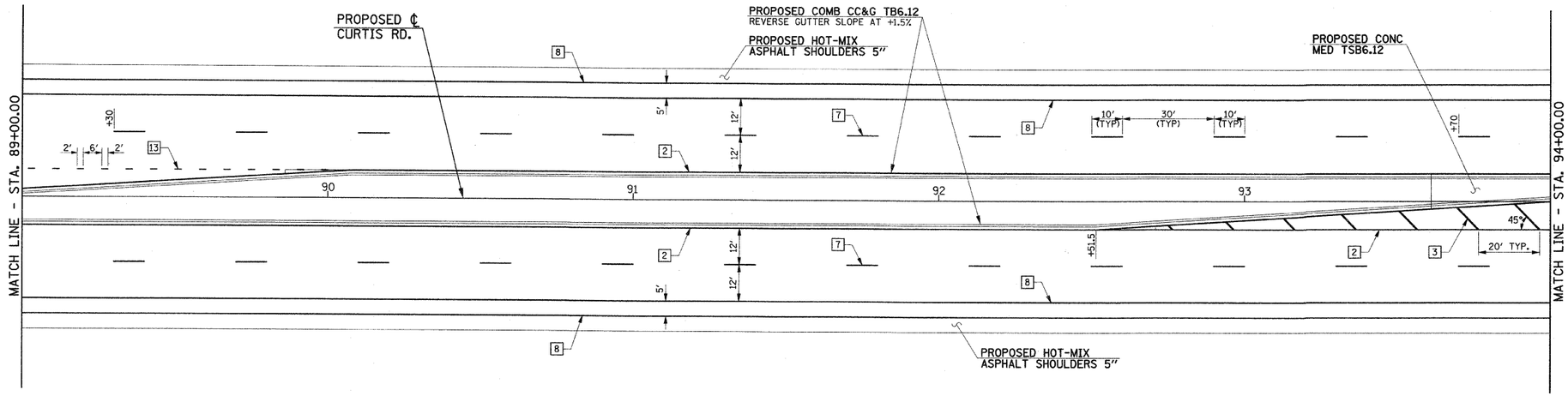
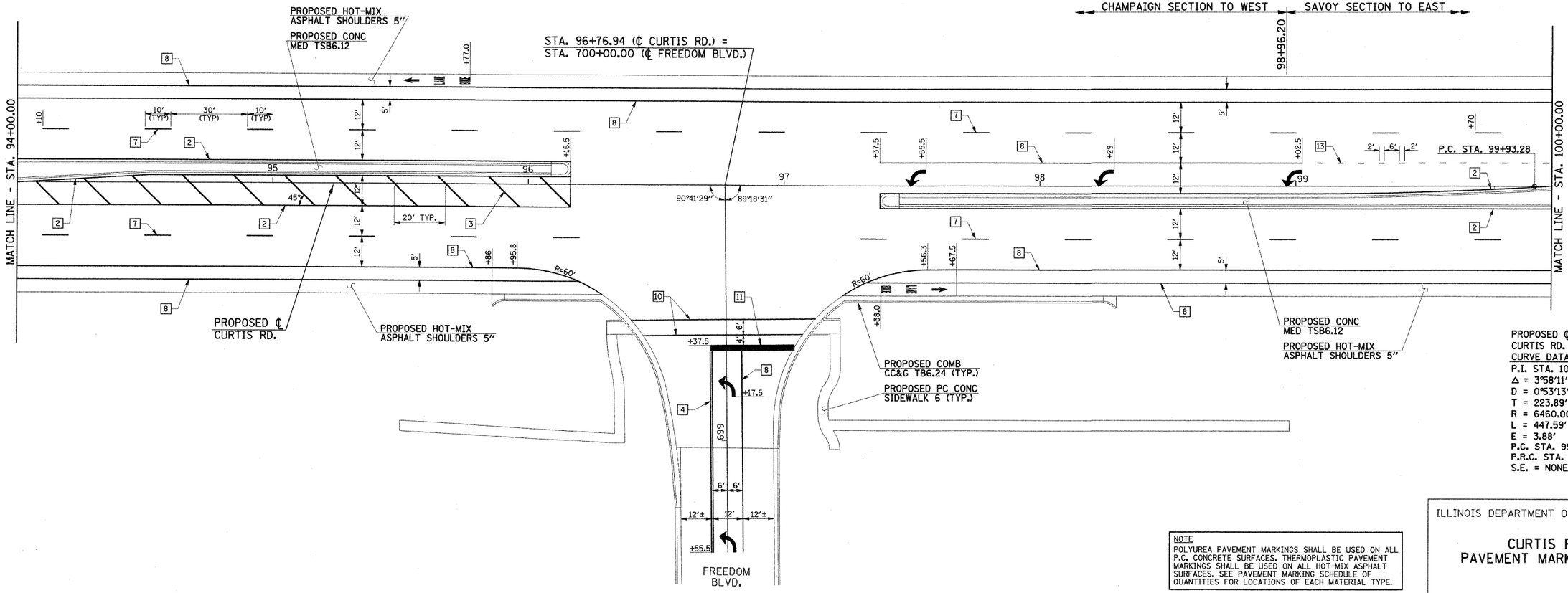
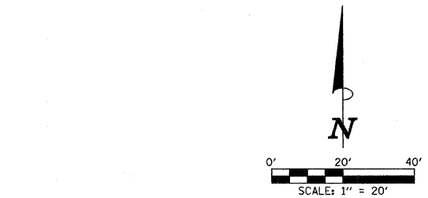
10/2/2008 9:25:02 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	112
STA. 89+00.00		TO STA. 100+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368







TYPICAL PAVEMENT MARKING LEGEND

1	4″ SKIP-DASH (YELLOW)	8	4″ SOLID (WHITE)
2	4″ SOLID (YELLOW)	9	12″ DIAGONAL (WHITE)
3	12″ DIAGONAL (YELLOW)	10	6″ CROSSWALK (WHITE)
4	4″ DOUBLE YELLOW (NARROW)	11	24″ STOP BAR (WHITE)
5	4″ DOUBLE YELLOW (WIDE) N/A	12	8″ SOLID (WHITE) N/A
6	6″ DIAGONAL (YELLOW) N/A	13	4″ LANE LINE EXTENSIONS (WHITE)
7	4″ SKIP-DASH (WHITE)	14	RESERVED

PROPOSED ℄
CURTIS RD.
CURVE DATA
P.I. STA. 102+17.17
Δ = 3°58′11″
D = 0°53′13″
T = 223.89′
R = 6460.00′
L = 447.59′
E = 3.88′
P.C. STA. 99+93.28
P.R.C. STA. 104+40.88
S.E. = NONE

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1″=20′

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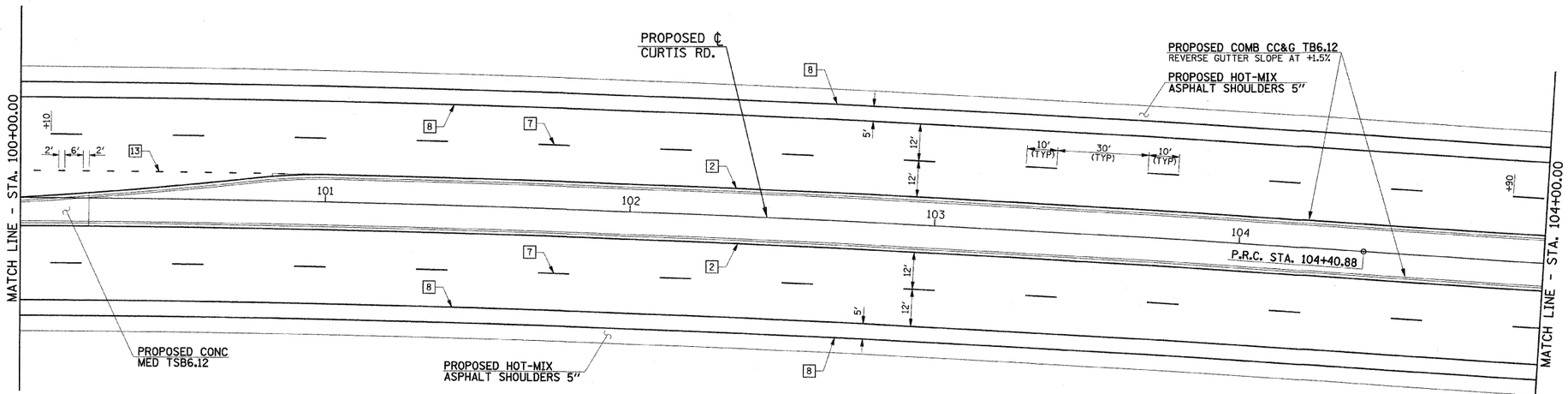
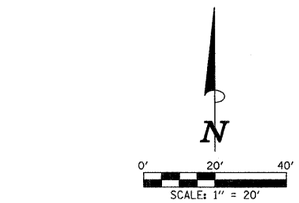
10/2/2008 9:25:03 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	113
STA. 100+00.00	TO STA. 111+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

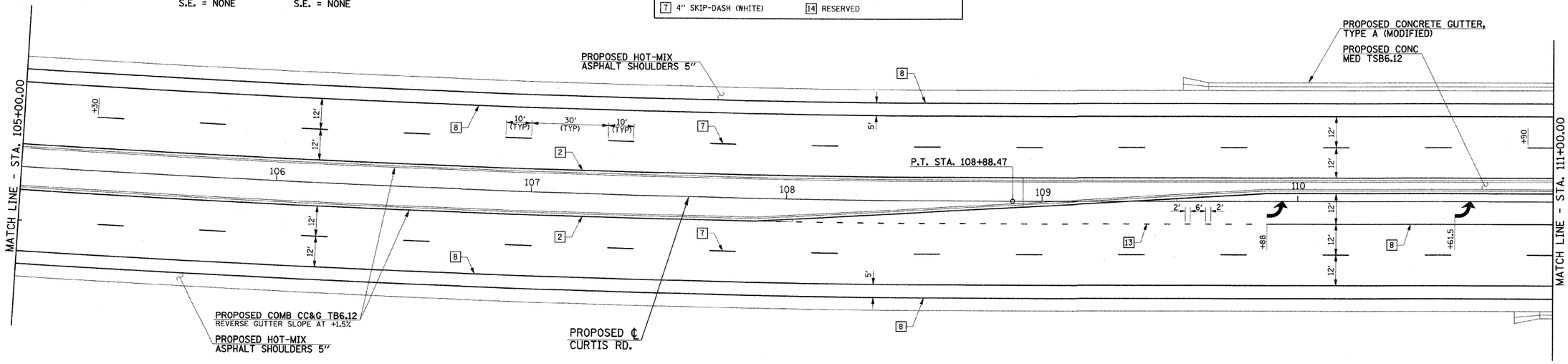




PROPOSED ℄
CURTIS RD.
CURVE DATA
P.I. STA. 102+17.17
Δ = 3°58'11"
D = 0°53'13"
T = 223.89'
R = 6460.00'
L = 447.59'
E = 3.88'
P.C. STA. 99+93.28
P.R.C. STA. 104+40.88
S.E. = NONE

PROPOSED ℄
CURTIS RD.
CURVE DATA
P.I. STA. 106+64.76
Δ = 3°58'11"
D = 0°53'13"
T = 223.89'
R = 6460.00'
L = 447.59'
E = 3.88'
P.R.C. STA. 104+40.88
P.T. STA. 108+88.47
S.E. = NONE

TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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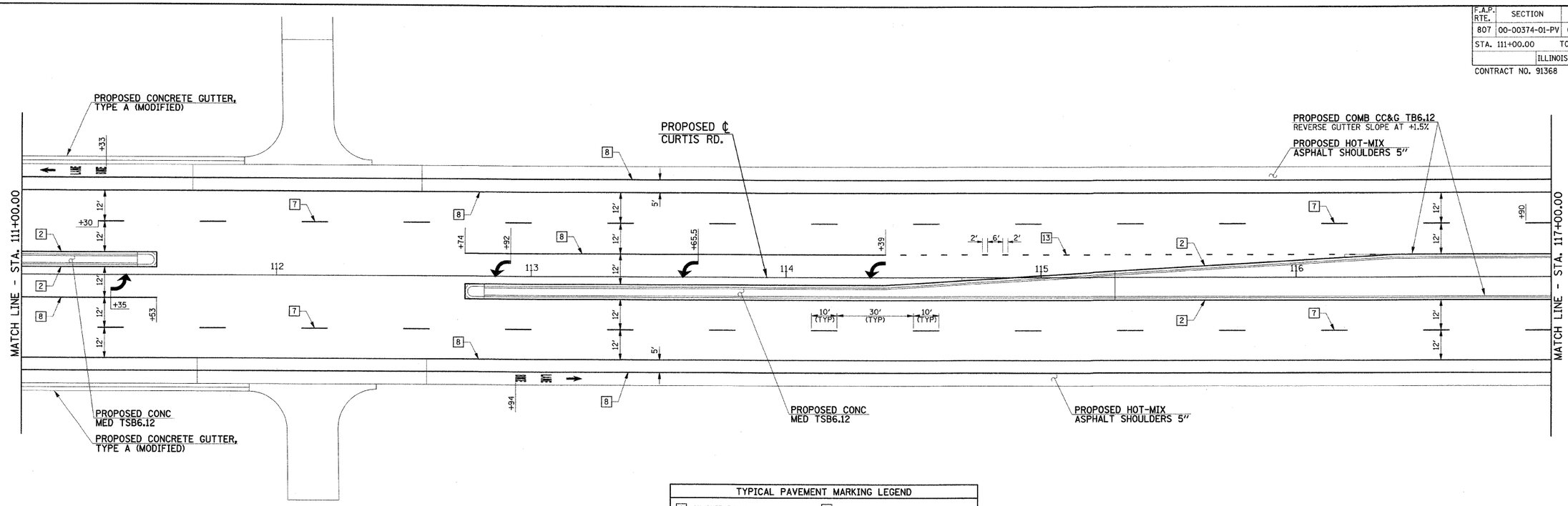
10/2/2008 9:25:03 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	114
STA. 111+00.00		TO STA. 122+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

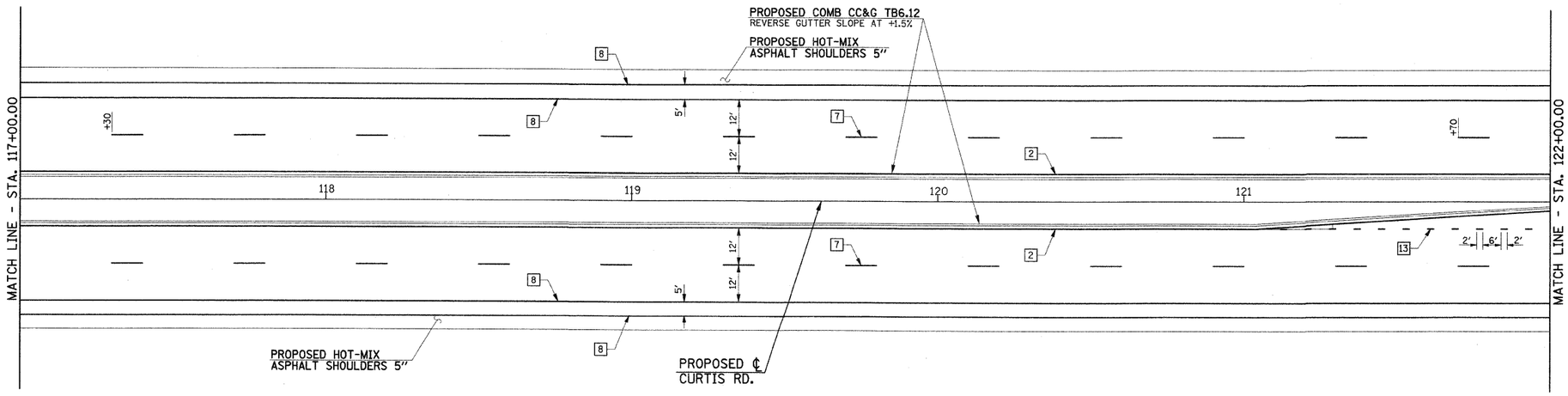


TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

N

0' 20' 40'

SCALE: 1" = 20'



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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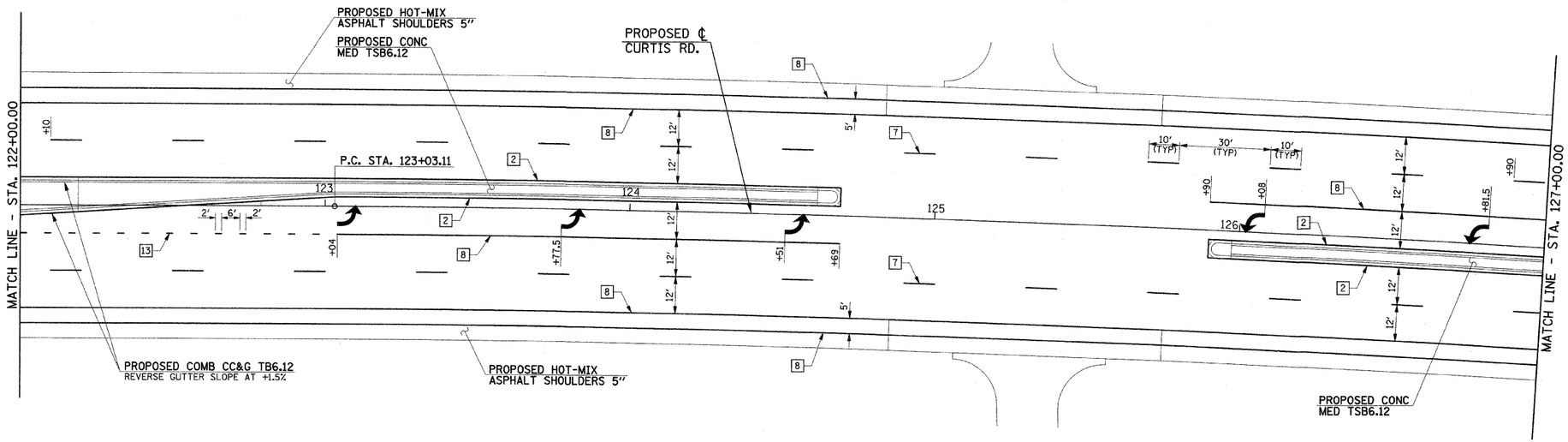
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	115
STA. 122+00.00	TO STA. 132+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



PROPOSED ℄ CURTIS RD.
CURVE DATA

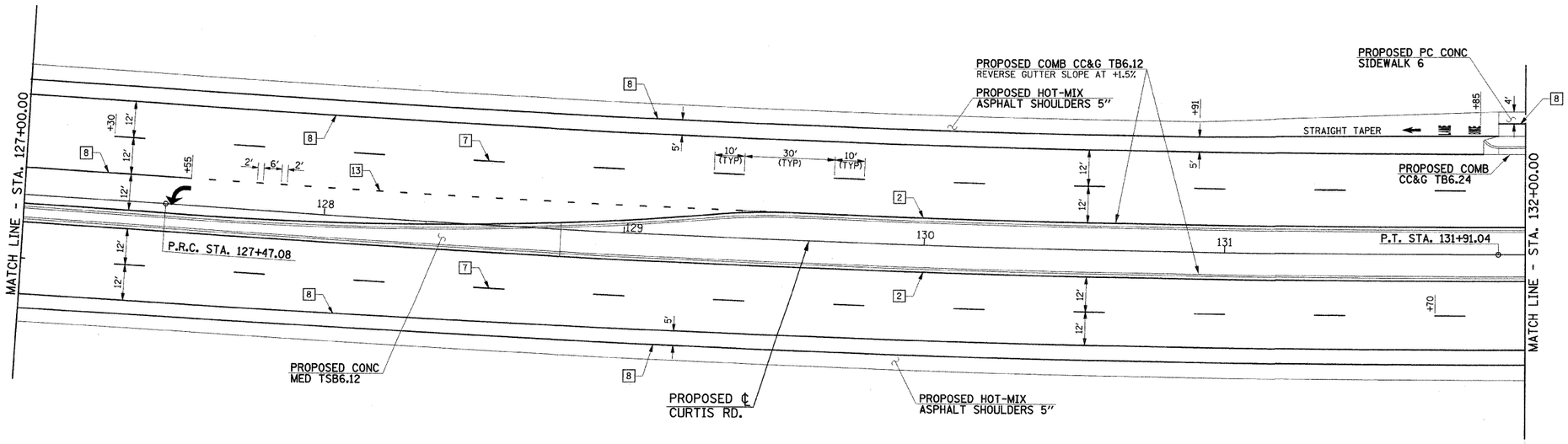
P.I. STA. 125+25.18
Δ = 3°56'16"
D = 0°53'13"
T = 222.07'
R = 6460.00'
L = 443.97'
E = 3.82'
P.C. STA. 123+03.11
P.R.C. STA. 127+47.08
S.E. = NONE

PROPOSED ℄ CURTIS RD.
CURVE DATA

P.I. STA. 129+69.15
Δ = 3°56'16"
D = 0°53'13"
T = 222.07'
R = 6460.00'
L = 443.97'
E = 3.82'
P.R.C. STA. 127+47.08
P.T. STA. 131+91.04
S.E. = NONE

TYPICAL PAVEMENT MARKING LEGEND

1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

N

0' 20' 40'
SCALE: 1" = 20'

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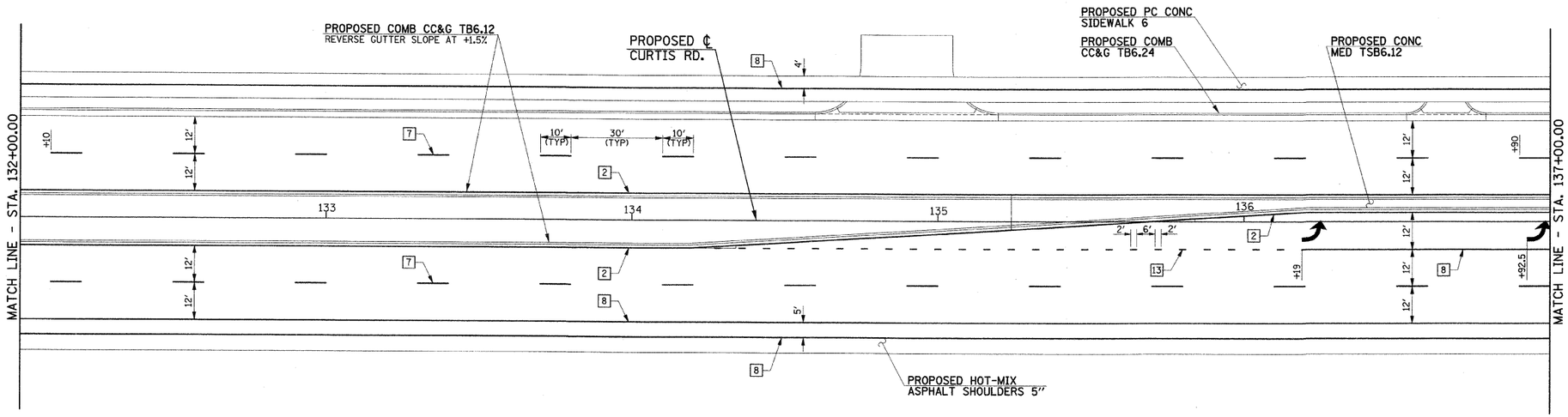
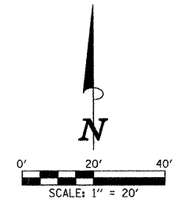
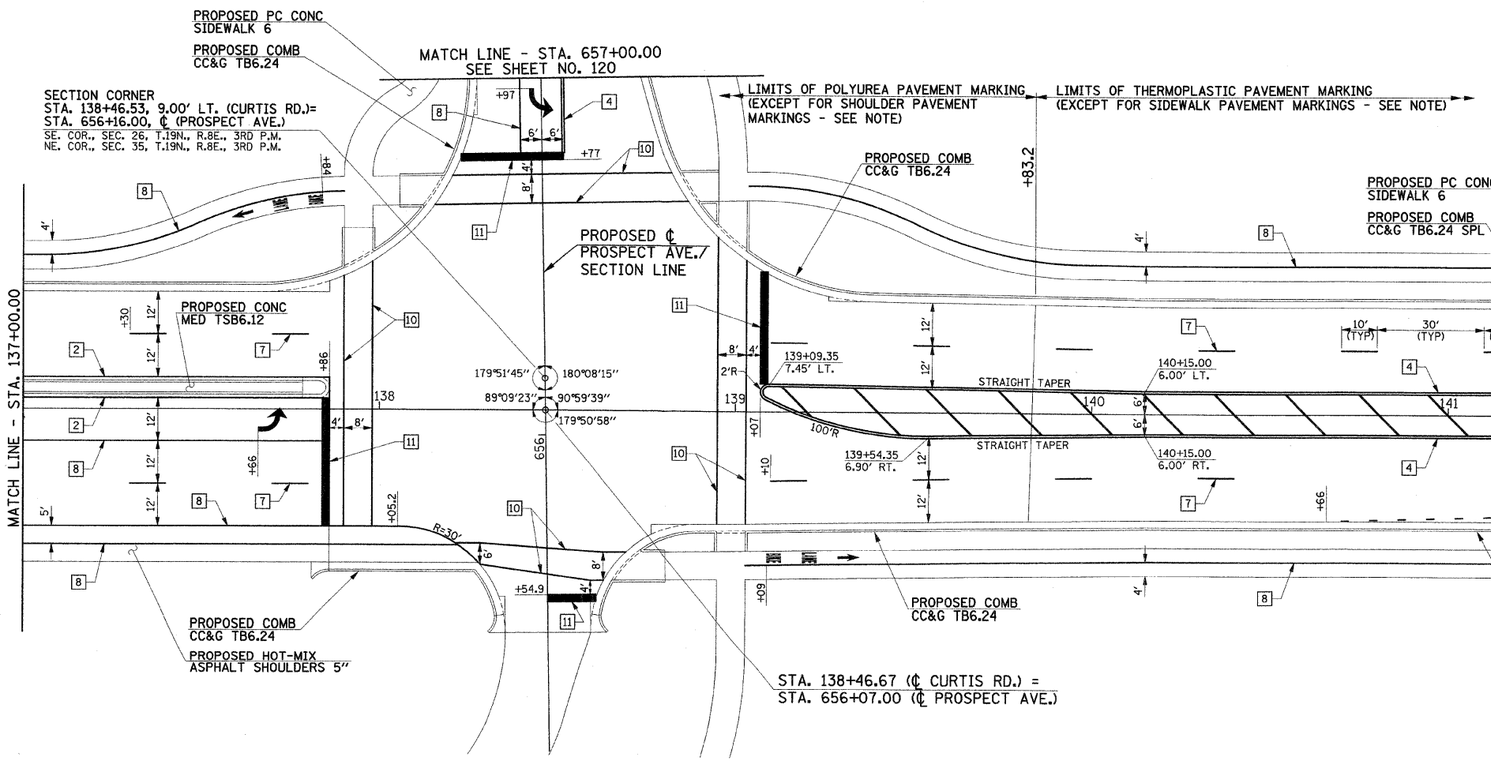
10/2/2008 9:25:04 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	116
STA. 132+00.00 656+07.00	TO STA. 143+00.00 667+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368







TYPICAL PAVEMENT MARKING LEGEND

1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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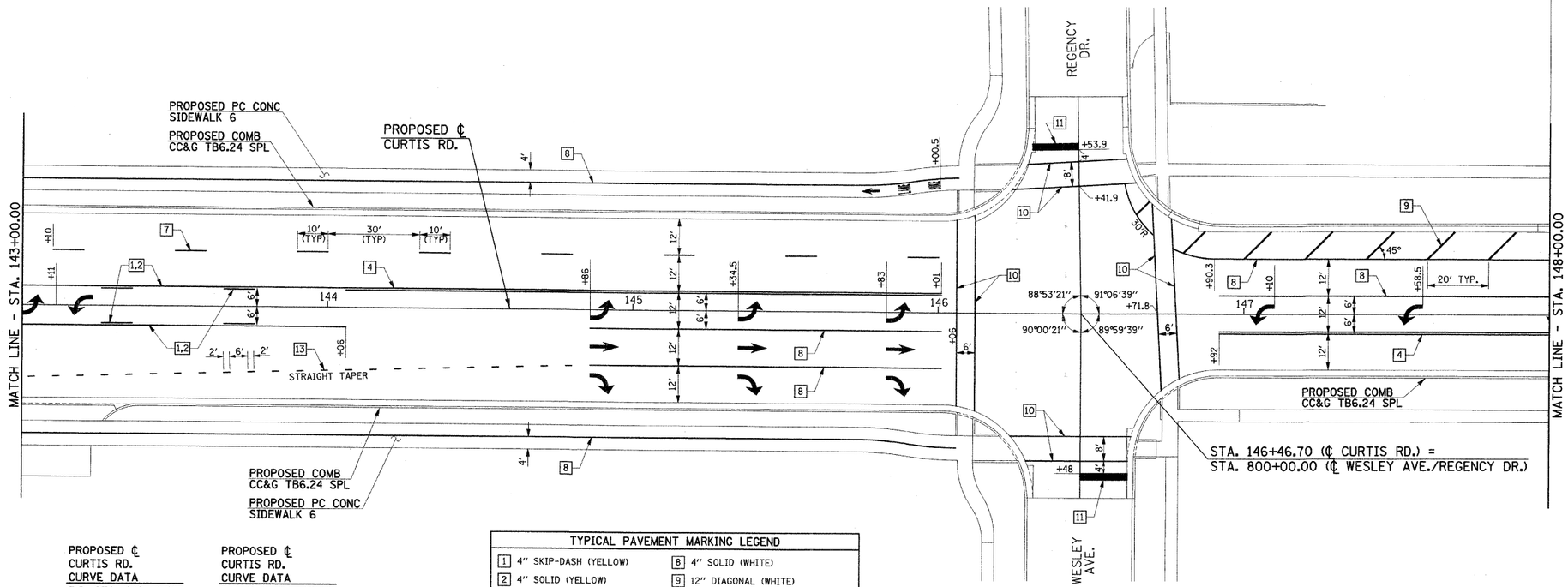
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	117
STA. 143+00.00	TO STA. 154+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

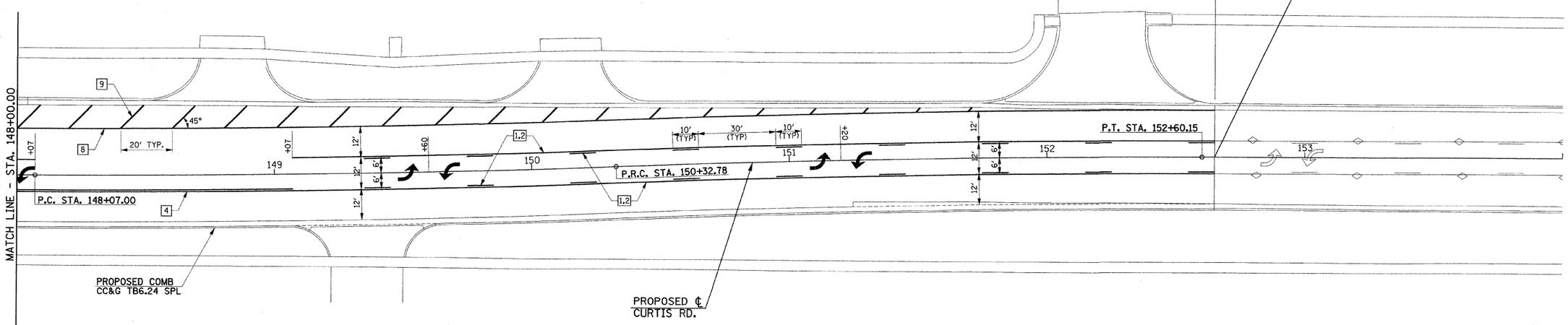


PROPOSED ℄ CURTIS RD.
CURVE DATA
P.I. STA. 149+19.91
Δ = 2°31'45"
D = 1°07'13"
T = 112.91'
R = 5114.73'
L = 225.78'
E = 1.25'
P.C. STA. 148+07.00
P.R.C. STA. 150+32.78
S.E. = NONE

PROPOSED ℄ CURTIS RD.
CURVE DATA
P.I. STA. 151+46.48
Δ = 2°31'45"
D = 1°06'45"
T = 113.70'
R = 5150.73'
L = 227.37'
E = 1.25'
P.R.C. STA. 150+32.78
P.T. STA. 152+60.15
S.E. = NONE

TYPICAL PAVEMENT MARKING LEGEND

1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED



NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
PAVEMENT MARKING PLANS

SCALE : 1"=20'
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

p:\c01401\plans\sheets\pavtmarking.dgn
10/2/2008 9:25:06 AM

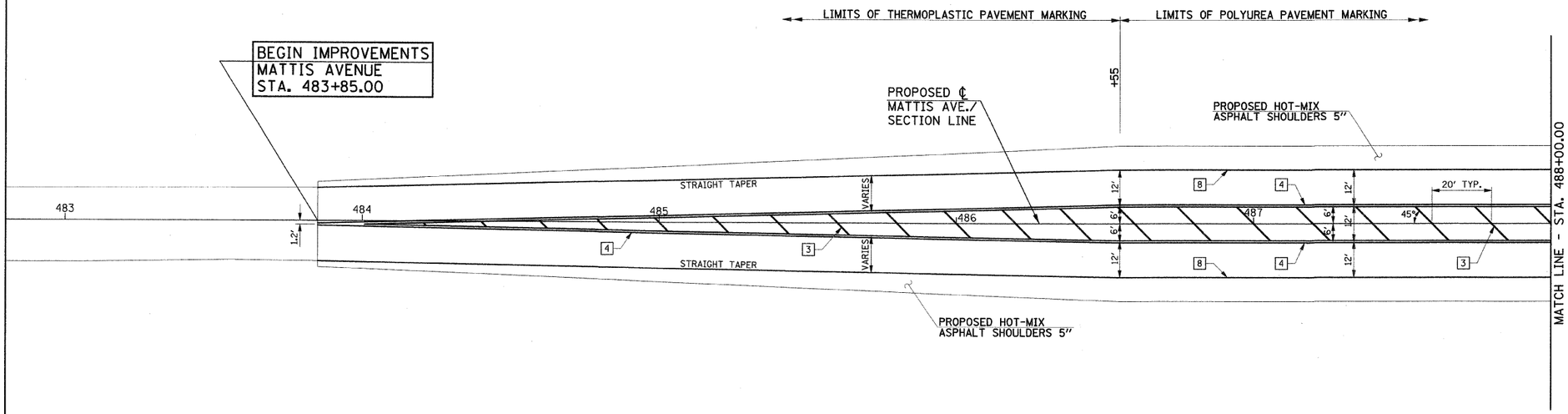
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	118
STA. 483+00.00	TO STA. 491+50.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

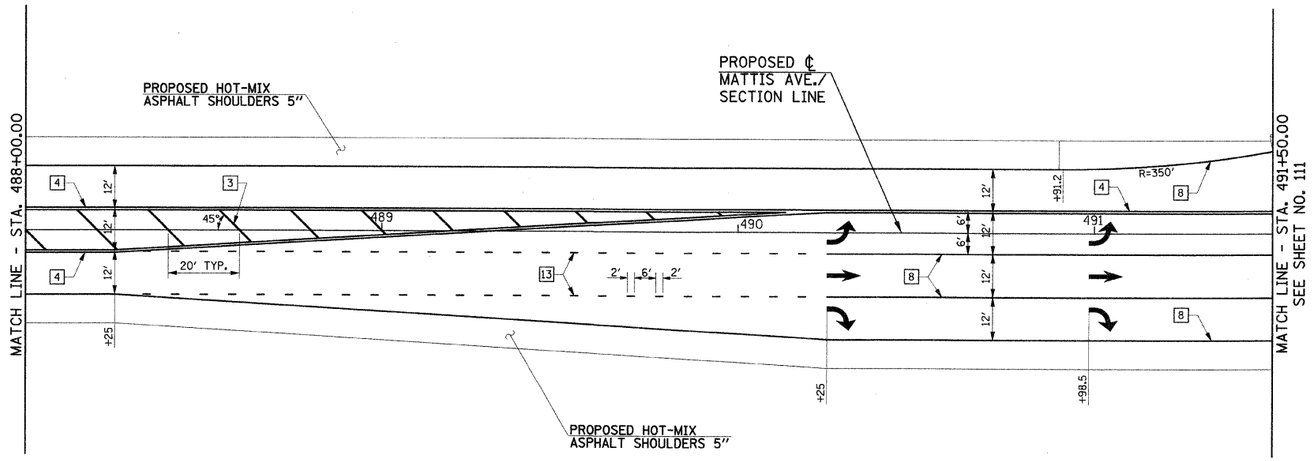
CONTRACT NO. 91368

N

0' 20' 40'

SCALE: 1" = 20'





TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE
PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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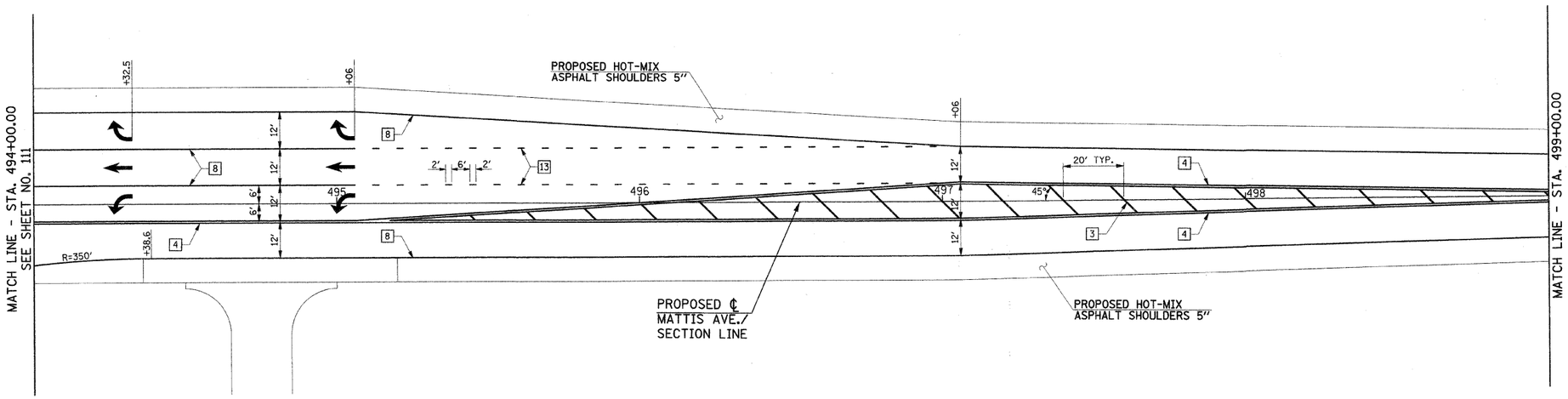
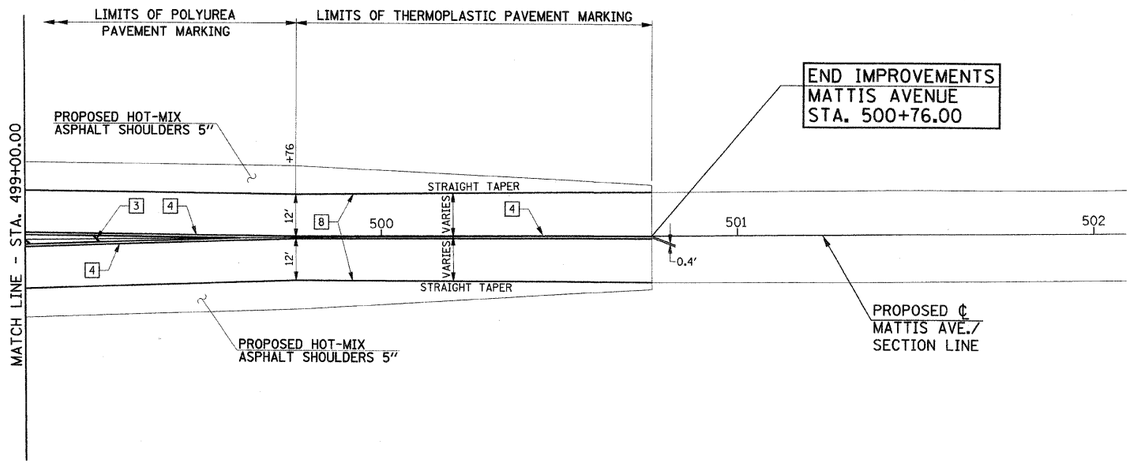
10/2/2008 9:25:07 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	119
STA. 494+00.00		TO STA. 502+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
2 4" SOLID (YELLOW)	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" CROSSWALK (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE
PAVEMENT MARKING PLANS

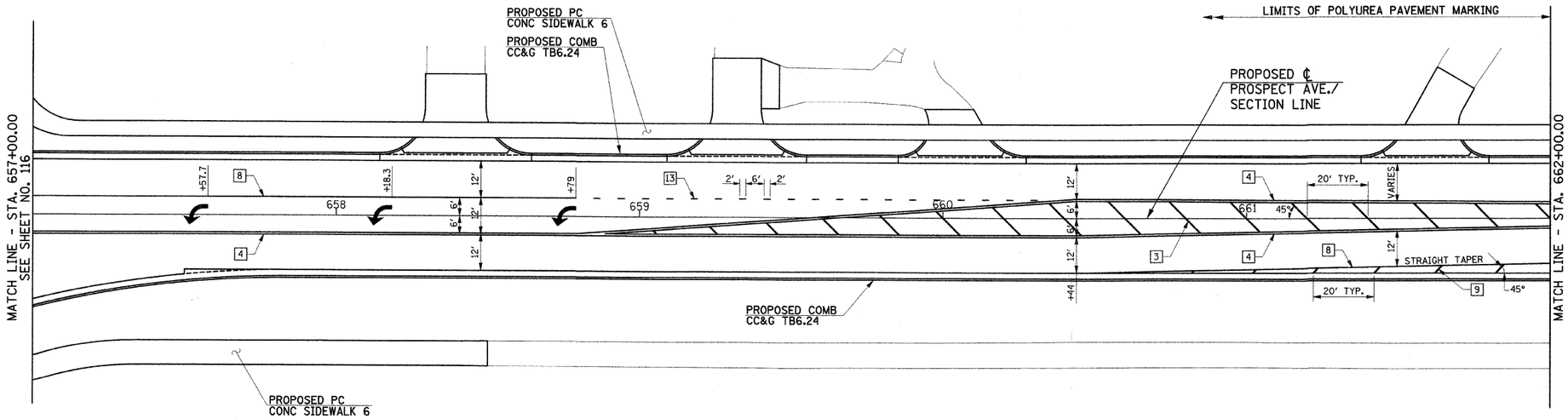
SCALE : 1"=20'

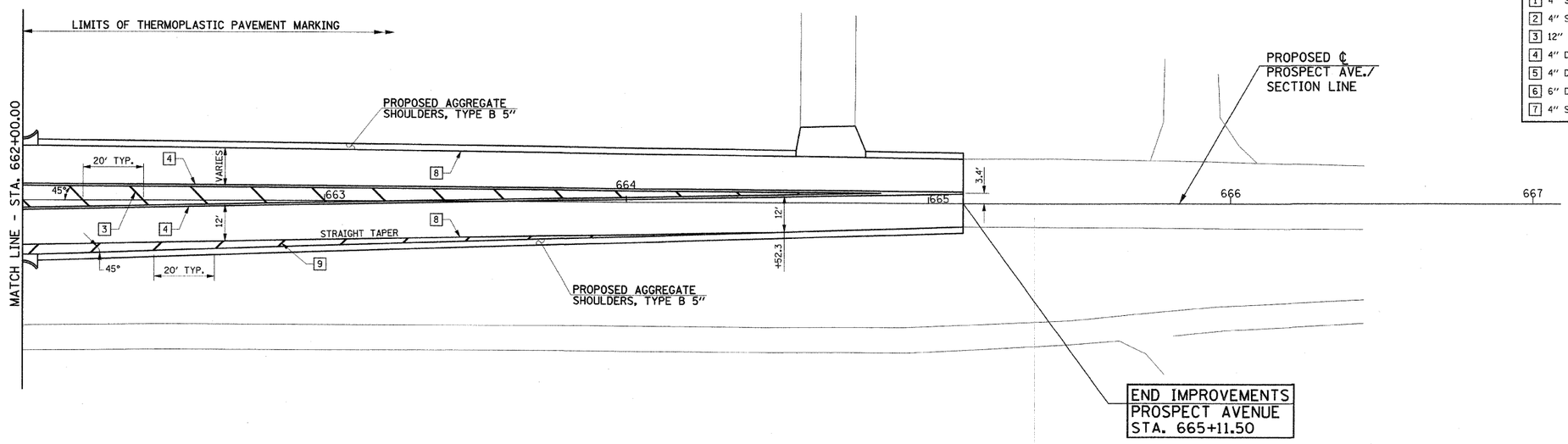
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

p:\c01401\plans\sheets\pavtmarking.dgn
10/2/2008 9:25:07 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	120
STA. 657+00.00	TO STA. 667+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





TYPICAL PAVEMENT MARKING LEGEND	
1 4" SKIP-DASH (YELLOW)	8 4" SOLID (WHITE)
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5 4" DOUBLE YELLOW (WIDE) N/A	12 8" SOLID (WHITE) N/A
6 6" DIAGONAL (YELLOW) N/A	13 4" LANE LINE EXTENSIONS (WHITE)
7 4" SKIP-DASH (WHITE)	14 RESERVED

NOTE
POLYUREA PAVEMENT MARKINGS SHALL BE USED ON ALL P.C. CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL TYPE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROSPECT AVENUE
PAVEMENT MARKING PLANS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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10/2/2008 9:25:08 AM

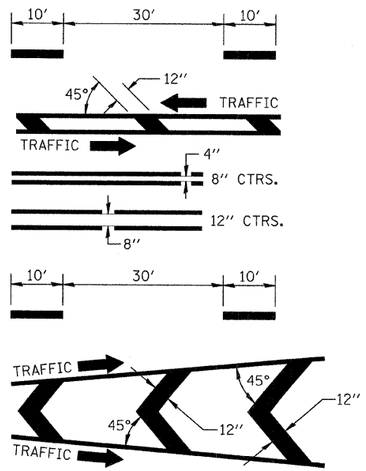
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

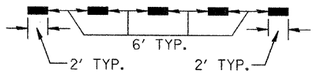
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	121
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

TYPICAL PAVEMENT MARKING LEGEND

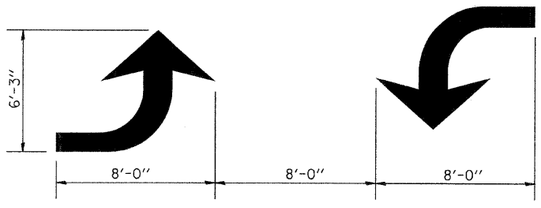
1. 4" SKIP-DASH (YELLOW)
2. 4" SOLID (YELLOW)
3. 12" DIAGONAL (YELLOW)
4. 4" DOUBLE YELLOW (NARROW)
5. 4" DOUBLE YELLOW (WIDE)
6. 6" DIAGONAL (YELLOW)
7. 4" SKIP-DASH (WHITE)
8. 4" SOLID (WHITE)
9. 12" DIAGONAL (WHITE)
10. 6" CROSS WALK (WHITE)
11. 24" STOP BAR (WHITE)
12. 8" SOLID (WHITE)
13. 4" LANE LINE EXTENSIONS (WHITE)
14. RESERVED



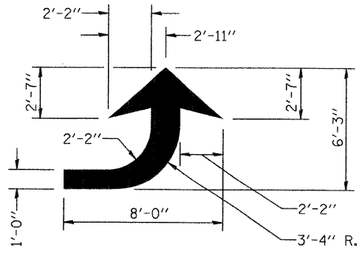


TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER



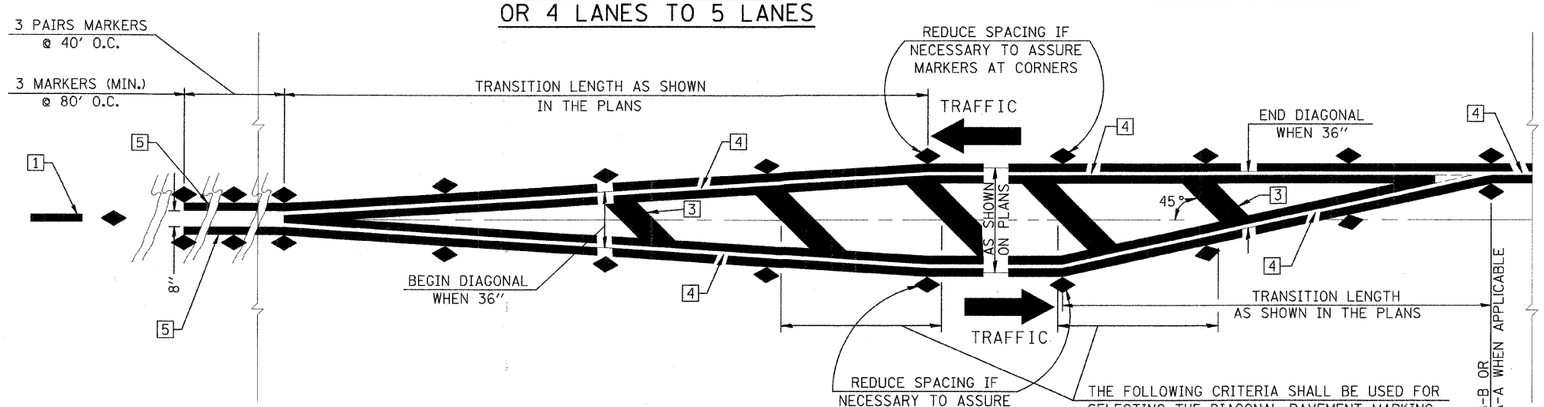
TYPICAL DOUBLE TURN ARROWS (WHITE)



LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT.
(WHITE)

2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

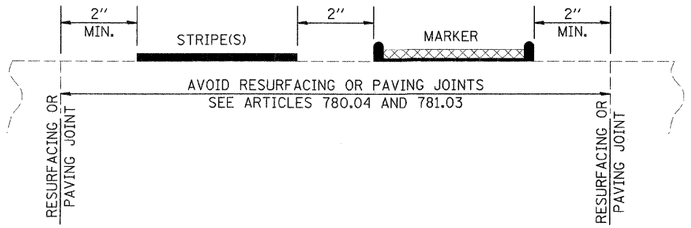
LEFT TURN LANE



SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
- <30 MPH USE 15'
- 30-45 MPH USE 20'
- >45 MPH USE 30'

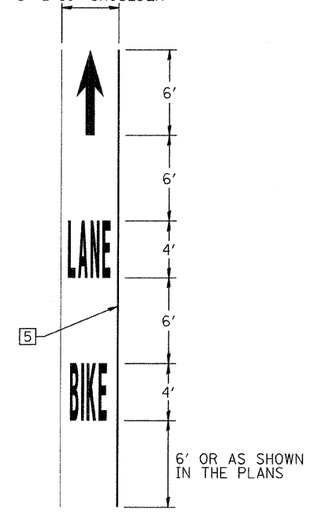
TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS, AND JOINTS

GENERAL NOTES

1. WHEN PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS, SPECIAL DETAILS WILL BE INCLUDED ELSEWHERE IN THE PLANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.



TYPICAL BIKEWAY PAVEMENT MARKINGS

DIRECTIONAL ARROW (WHITE) AREA = 4.4 SF
LANE (WHITE) AREA = 4.91 SF
BIKE (WHITE) AREA = 4.91 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

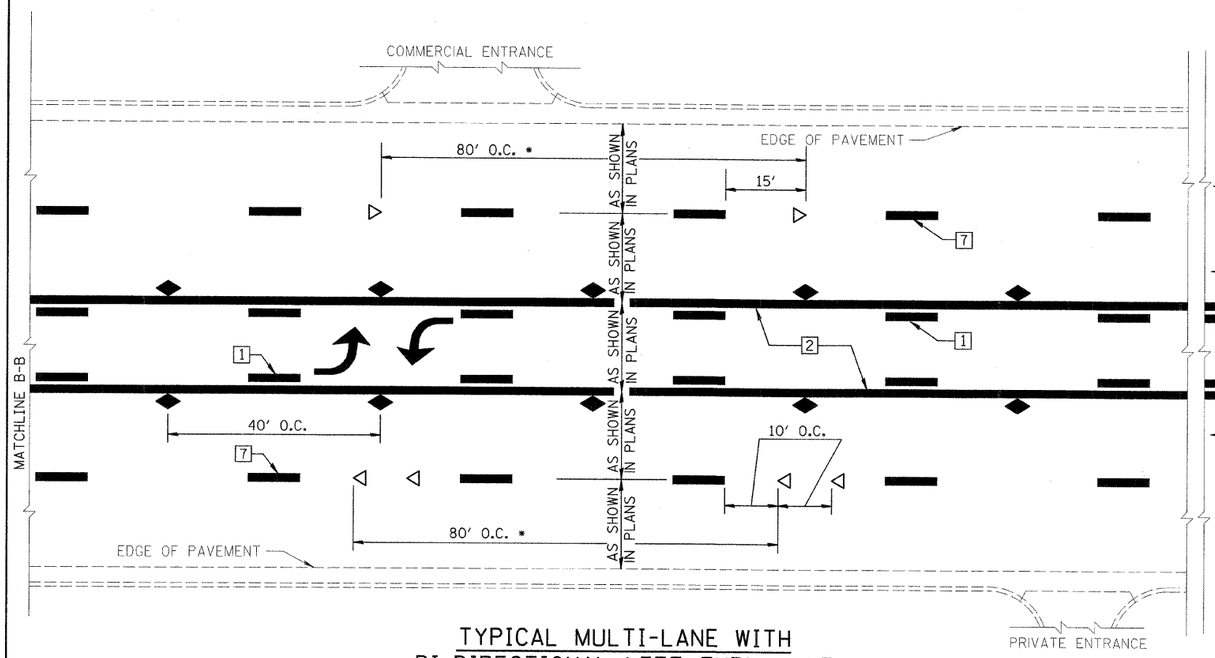
SCALE : NONE

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

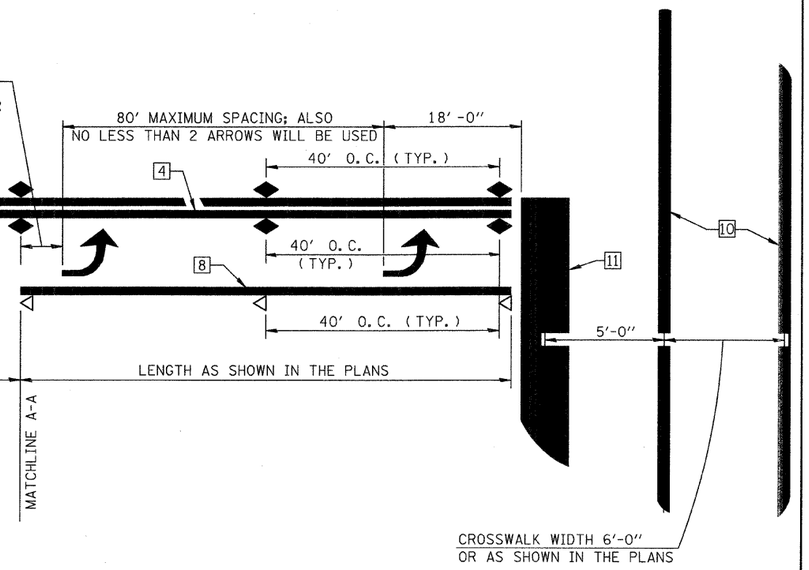
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	122
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



TYPICAL MULTI-LANE WITH
BI-DIRECTIONAL LEFT TURN LANE



TYPICAL MULTI-LANE TRANSITION FROM
BI-DIRECTIONAL LEFT TURN LANE TO LEFT TURN LANE

SPECIAL NOTES

TURN ARROW PAIRS SHALL BE PLACED AT 250' INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ABOVE.

* REDUCE TO 40' O.C. IN NO PASSING ZONES AND ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

** WHERE DOUBLE LANE LINE MARKERS ARE SPECIFIED, THEY SHALL BE SPACED AS SHOWN ABOVE.

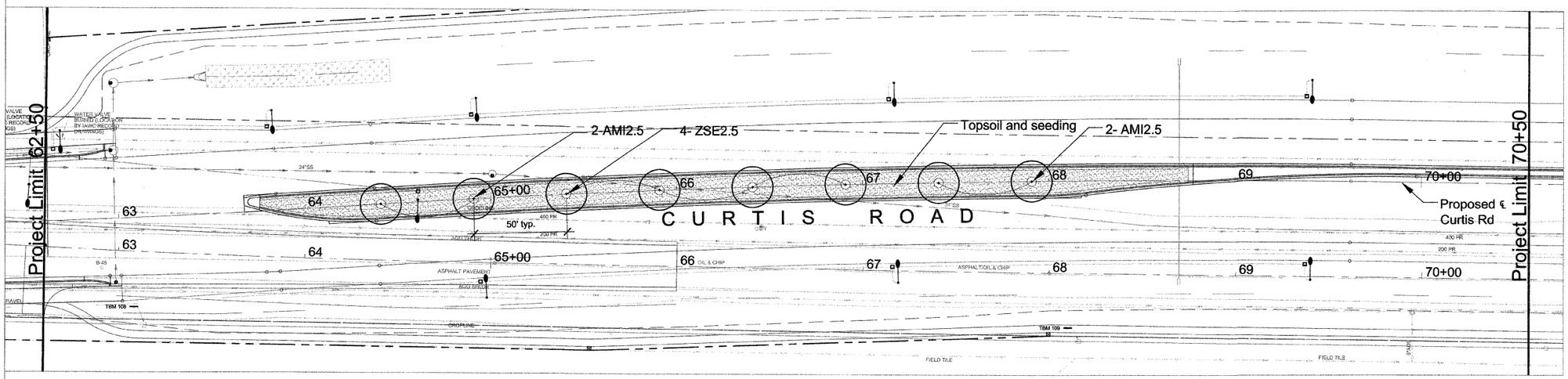
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

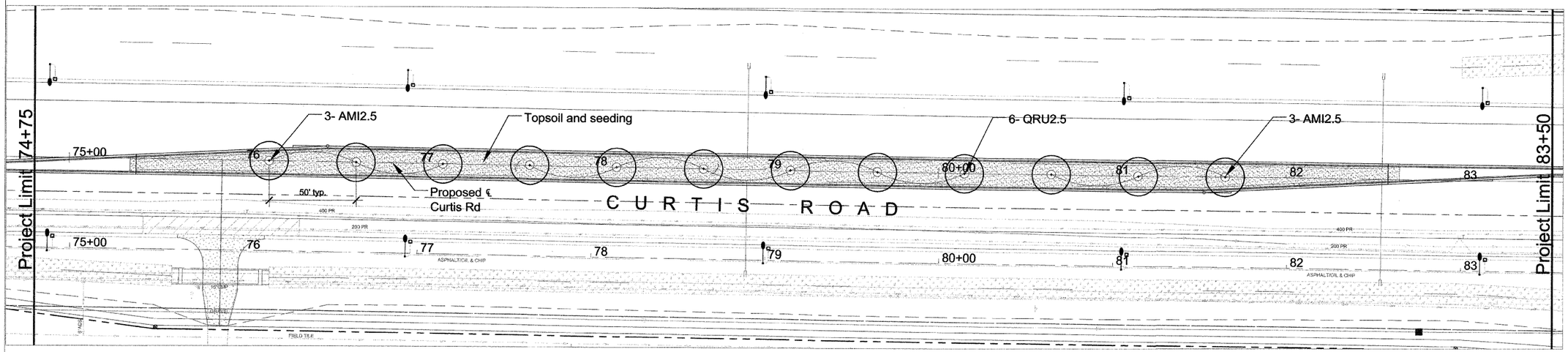
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	123
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

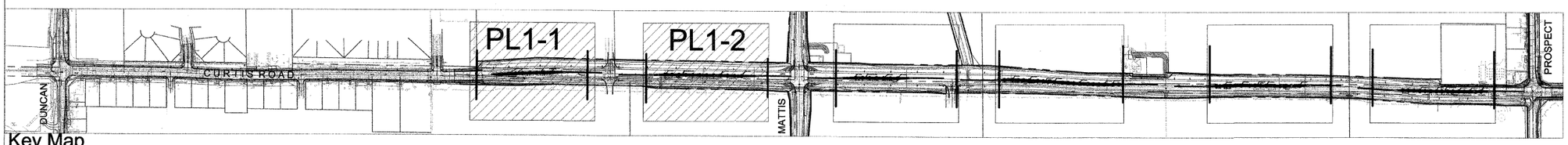
CONTRACT NO. 91368



1 PL1 Landscape Plan



2 PL1 Landscape Plan



Key Map

1" = 400-0"

Hitchcock Design Group
Creating Better Places®
221 West Jefferson Avenue
Naperville, Illinois 60540

T 630.961.1787
F 630.961.9925

HDG PROJECT NUMBER:
03-0611-003-01-07

NORTH

SCALE IN FEET
1" = 30'
0' 15' 30' 60' 90'

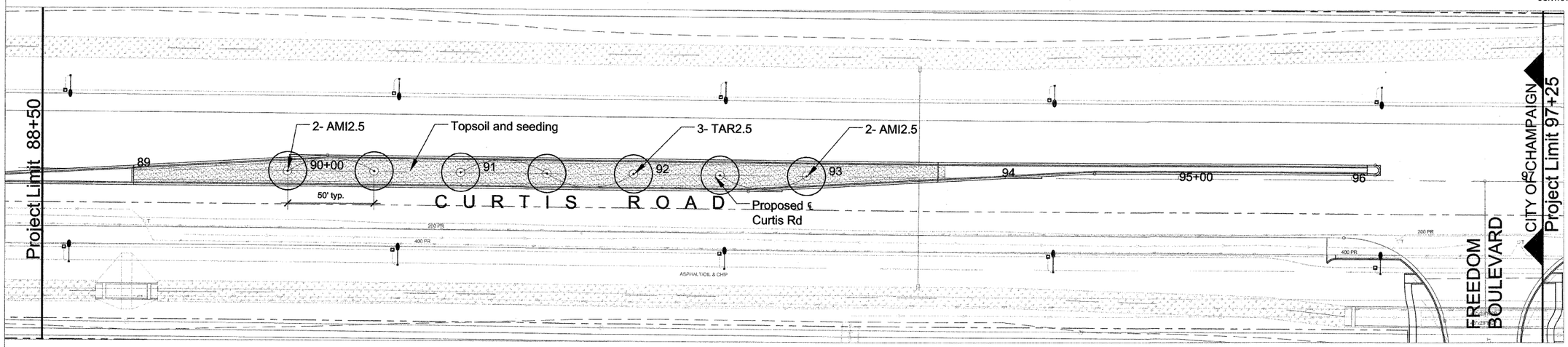
ILLINOIS DEPARTMENT OF TRANSPORTATION

Landscape Plan

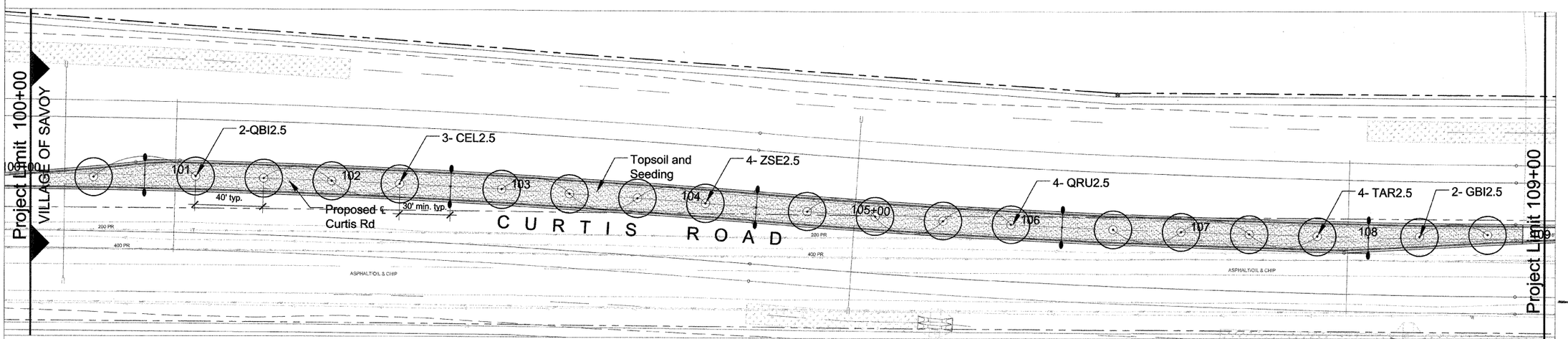
DATE : September 3, 2008
DRAWN BY : GET
CHECKED BY : TCK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	124
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

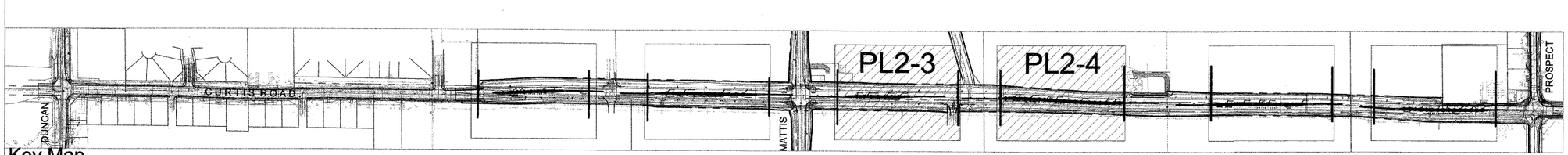
CONTRACT NO. 91368



3 PL2 Landscape Plan



4 PL2 Landscape Plan



Key Map

1" = 400'-0"

Hitchcock Design Group
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Naperville, Illinois 60540

T 630.961.1787
F 630.961.9925

HDG PROJECT NUMBER:
03-0611-003-01-07

NORTH

SCALE IN FEET
1" = 30'
0' 15' 30' 60' 90'

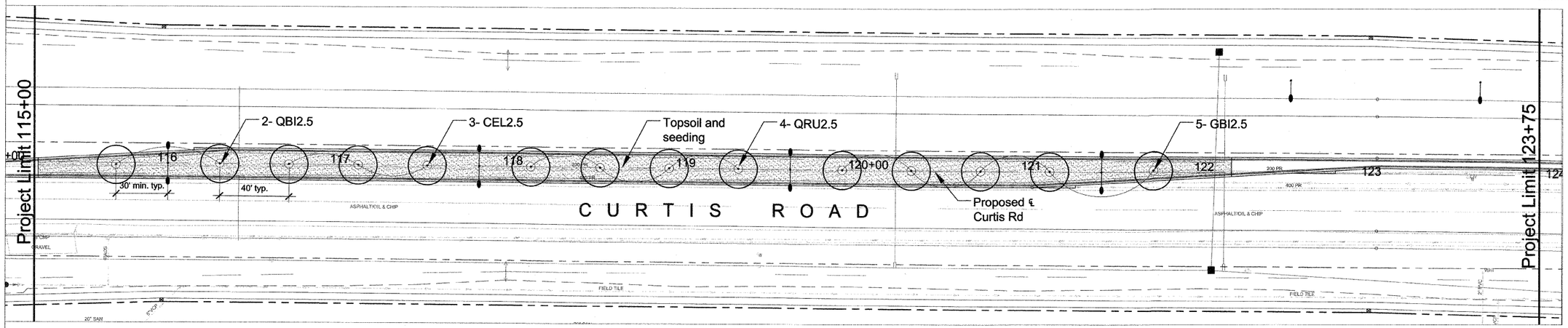
ILLINOIS DEPARTMENT OF TRANSPORTATION

Landscape Plan

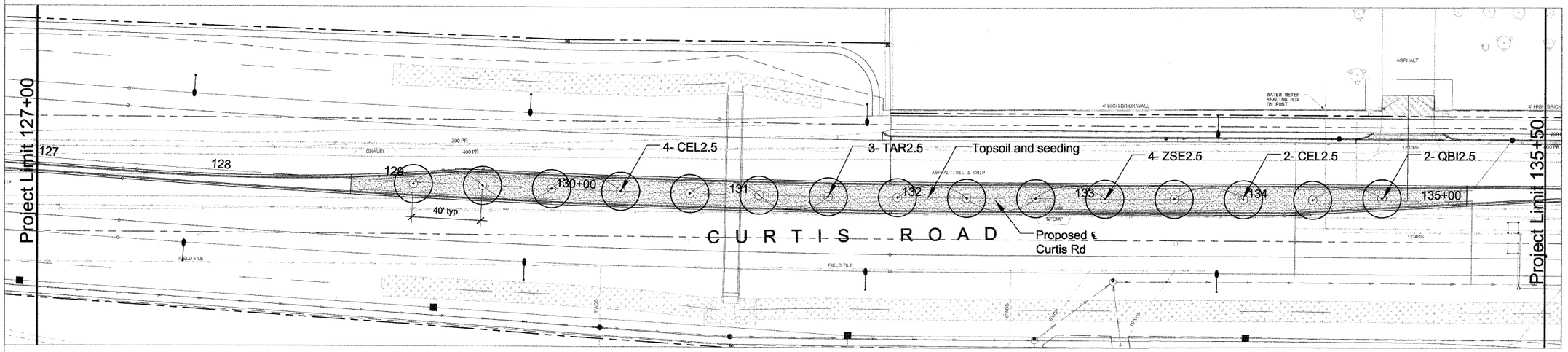
DATE : September 3, 2008
DRAWN BY : GET
CHECKED BY : TCK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	125
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

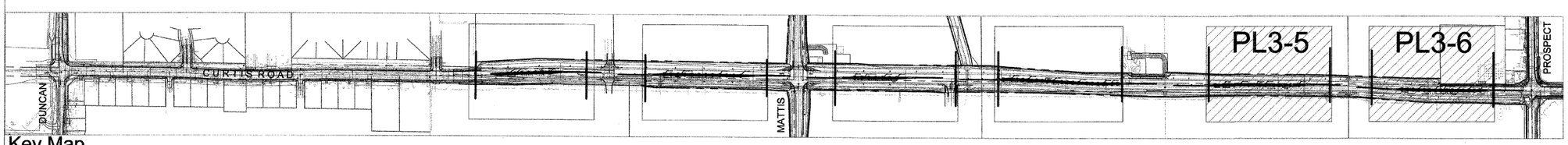
CONTRACT NO. 91368



5 PL3 Landscape Plan



6 PL3 Landscape Plan



Key Map

1" = 400-0"

Hitchcock Design Group

Creating Better Places®

221 West Jefferson Avenue
Naperville, Illinois 60540

T 630.961.1787
F 630.961.9925

HDG PROJECT NUMBER: 03-0611-003-01-07

NORTH

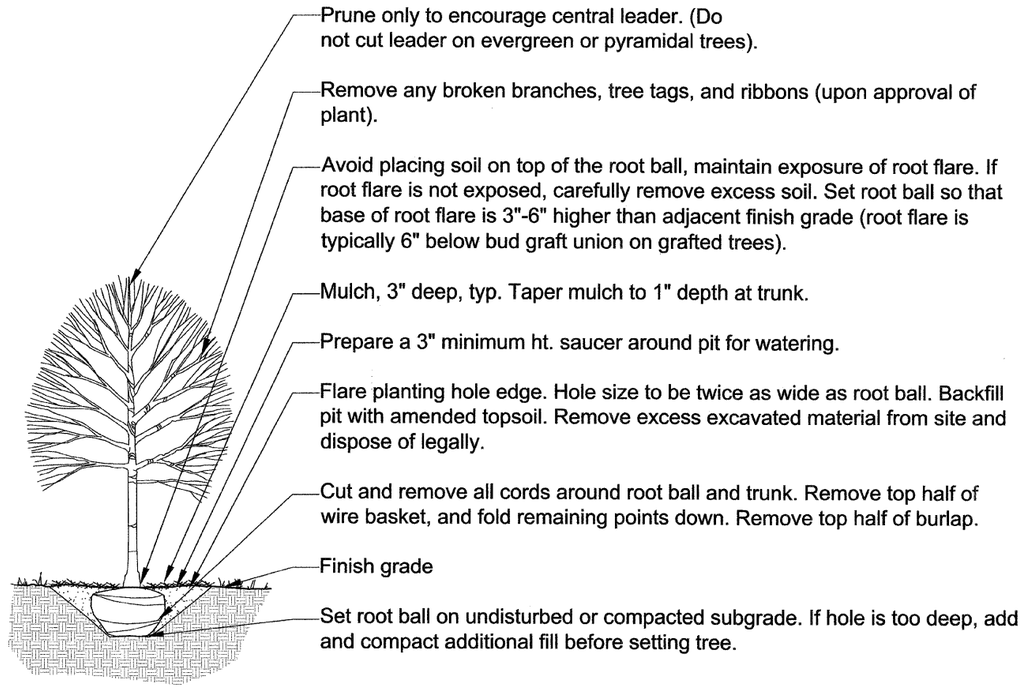
SCALE IN FEET
1" = 30'

0' 15' 30' 60' 90'

ILLINOIS DEPARTMENT OF TRANSPORTATION

Landscape Plan

DATE : September 3, 2008
DRAWN BY : GET
CHECKED BY : TCK



1 Deciduous Tree Planting

d-tree-dec
1/2" = 1'-0"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	126
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

PLANTING MATERIALS LIST

	Code	Botanical Name	Common Name	Size	Qty-Champaign	Qty-Savoy	Qty-Total
Shade Trees							
	AMI2.5	Acer miyabe 'Morton'	State Street Miyabe Maple	2 1/2" C	14	0	14
	CEL2.5	Celtis laevigata	Sugar Hackberry	2 1/2" C	0	12	12
	GBI2.5	Ginkgo biloba (male)	Ginkgo	2 1/2" C	0	7	7
	QBI2.5	Quercus bicolor	Swamp White Oak	2 1/2" C	0	6	6
	QRU2.5	Quercus rubra	Red Oak	2 1/2" C	6	8	14
	TAR2.5	Tilia americana 'Redmond'	Redmond American Linden	2 1/2" C	3	7	10
	ZSE2.5	Zelkova serrata	Japanese Zelkova	2 1/2" C	4	8	12

PLANTING NOTES

1. Contractor responsible for restoration of any unauthorized disruption outside of designated construction area.

2. Tree mulch rings are 5' diameter, typ.

3. Typical tree spacing is 50' in City of Champaign and 40' in Village of Savoy, with a minimum spacing of 30' from overhead utilities.

4. Contractor responsible for erosion control in all seeded and/or sodded areas.

5. Do not locate plants within 10' of utility structures. Do not locate plants within 5' horizontally of underground utility lines.

6. Plants and other materials are quantified and summarized for the convenience of the Owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn. No additional payments will be made for materials required to complete the work as drawn.

Hitchcock Design Group
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221 West Jefferson Avenue
Naperville, Illinois 60540

T 630.961.1787
F 630.961.9925

HDG PROJECT NUMBER:
03-0611-003-01-07

NORTH

SCALE IN FEET
as noted

ILLINOIS DEPARTMENT OF TRANSPORTATION

Planting Details and Materials

DATE : September 3, 2008
DRAWN BY : GET
CHECKED BY : TCK

POST AND MAST ARM DATA			
NO.	STATION	OFFSET	DESCRIPTION
P1	85+43.2	83.8' RT	STEEL MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)
P2	85+18.0	48.0' RT	LIGHT POLE (SEE ROADWAY LIGHTING PLANS) *
P3	85+35.5	60.3' RT	TRAFFIC SIGNAL POST, 10 FT. (SPECIAL)
P4	85+18.1	52.5' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. (SPECIAL)
P5	85+37.0	79.8' LT	LIGHT POLE (SEE ROADWAY LIGHTING PLANS) *
P6	85+31.5	59.5' LT	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P7	86+42.6	51.5' RT	STEEL MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)
P8	86+22.8	81.3' RT	TRAFFIC SIGNAL POST, 14 FT. (SPECIAL)
P9	86+29.1	59.3' RT	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P10	86+18.8	82.3' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)
P11	86+43.0	48.0' LT	TRAFFIC SIGNAL POST, 14 FT. (SPECIAL)
P12	86+26.0	61.4' LT	TRAFFIC SIGNAL POST, 10 FT. (SPECIAL)

* THE LIGHT POLE AT THIS LOCATION HAS A CONCRETE FOUNDATION (SEE ROADWAY LIGHTING PLANS)

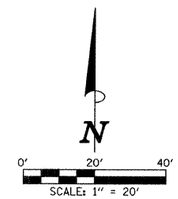
HANDHOLE DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	85+20.0	55.0' RT	HANDHOLE, PORTLAND CEMENT CONCRETE
H2	85+10.0	55.0' LT	HANDHOLE, PORTLAND CEMENT CONCRETE
H3	86+50.0	55.0' RT	HANDHOLE, PORTLAND CEMENT CONCRETE
H4	86+45.0	55.0' LT	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE

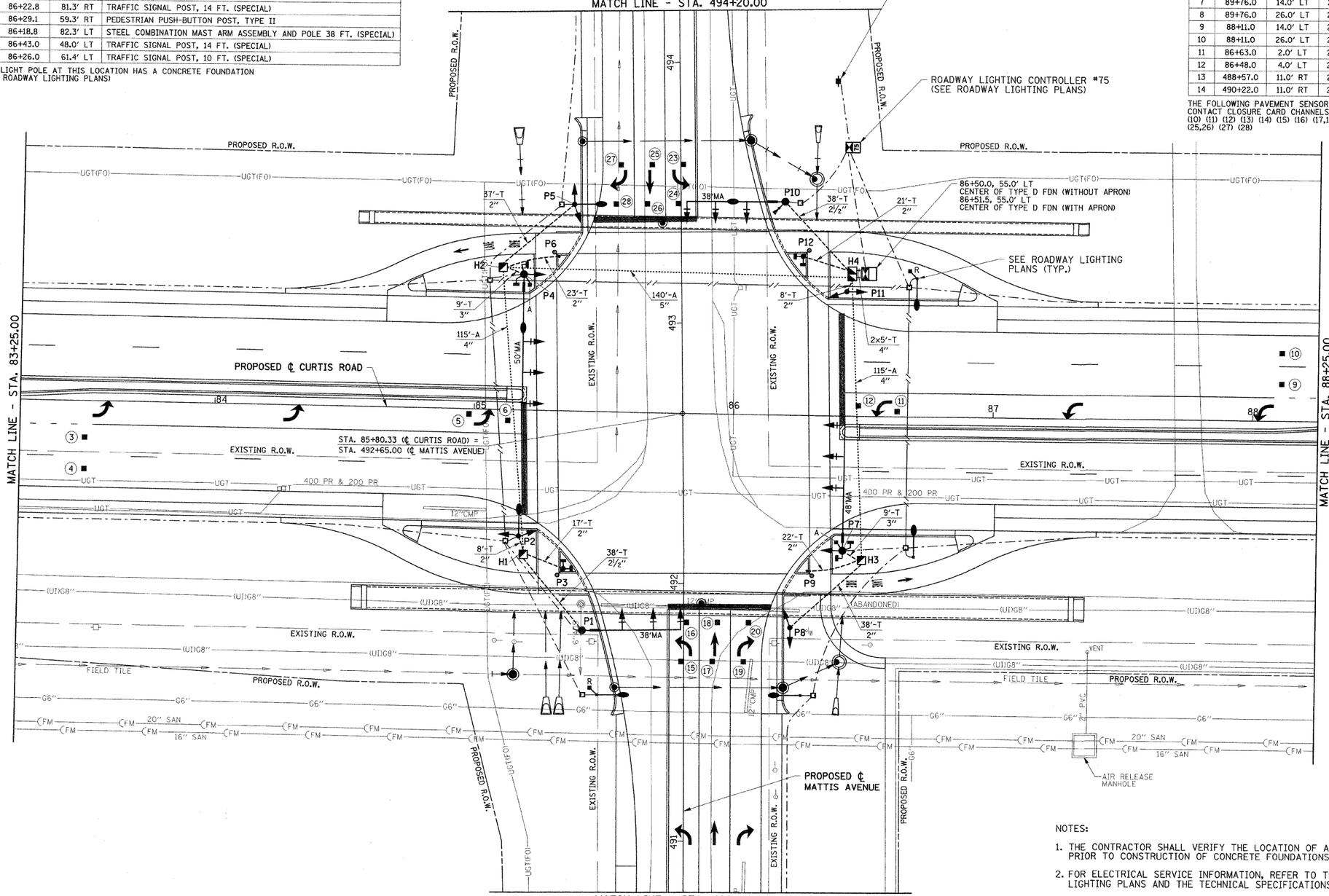
WIRELESS PAVEMENT SENSOR DATA					
NO.	STATION	OFFSET	NO.	STATION	OFFSET
1	81+85.0	14.0' RT	15	491+70.0	1.0' LT
2	81+85.0	26.0' RT	16	491+85.0	1.0' RT
3	83+50.0	14.0' RT	17	491+70.0	11.0' RT
4	83+50.0	26.0' RT	18	491+85.0	13.0' RT
5	84+98.0	2.0' RT	19	491+70.0	23.0' RT
6	85+13.0	4.0' RT	20	491+85.0	25.0' RT
7	89+76.0	14.0' LT	21	496+74.0	11.0' LT
8	89+76.0	26.0' LT	22	495+09.0	11.0' LT
9	88+11.0	14.0' LT	23	493+61.0	1.0' RT
10	88+11.0	26.0' LT	24	493+46.0	1.0' LT
11	86+63.0	2.0' LT	25	493+61.0	11.0' LT
12	86+48.0	4.0' LT	26	493+46.0	13.0' LT
13	488+57.0	11.0' RT	27	493+61.0	23.0' LT
14	490+22.0	11.0' RT	28	493+46.0	25.0' LT

THE FOLLOWING PAVEMENT SENSORS SHALL BE ASSIGNED COMMON CONTACT CLOSURE CARD CHANNELS: (1,2) (3) (4) (5) (6) (7,8) (9) (10) (11) (12) (13) (14) (15) (16) (17,18) (19) (20) (21) (22) (23) (24) (25,26) (27) (28)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	127
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- EMERGENCY VEHICLE PRIORITY SYSTEM RADIO/GPS UNIT
- WIRELESS VEHICLE DETECTION SYSTEM PAVEMENT SENSOR
- A — WIRELESS VEHICLE DETECTION SYSTEM ACCESS POINT (MOUNTED TO MAST ARM POLE)
- R — WIRELESS VEHICLE DETECTION SYSTEM REPEATER (MOUNTED TO LIGHT POLE)
- INTERNALLY ILLUMINATED STREET NAME SIGN
- CONTROLLER CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- LUMINAIRE AND MAST ARM (SEE ROADWAY LIGHTING PLANS)
- SERVICE INSTALLATION (SEE ROADWAY LIGHTING PLANS)
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS) — OR
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- CONDUIT AUGERED (SEE ROADWAY LIGHTING PLANS)
- CONDUIT IN TRENCH (SEE ROADWAY LIGHTING PLANS)
- XP — ROADWAY LIGHTING CONTROLLER CABINET (SEE ROADWAY LIGHTING PLANS)

NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF CONCRETE FOUNDATIONS.
2. FOR ELECTRICAL SERVICE INFORMATION, REFER TO THE ROADWAY LIGHTING PLANS AND THE TECHNICAL SPECIFICATIONS.
3. IF NECESSARY THE BACKFILLING OF EXCAVATIONS ADJACENT TO CONCRETE SIGNAL FOUNDATIONS SHALL BE DONE PRIOR TO CONSTRUCTING THE FOUNDATIONS. TRENCH BACKFILL (SPECIAL) AND CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT TO ALLOW FOR THE FOUNDATION CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & MATTIS AVENUE TRAFFIC SIGNAL PLANS

TRAFFIC SIGNAL LAYOUT

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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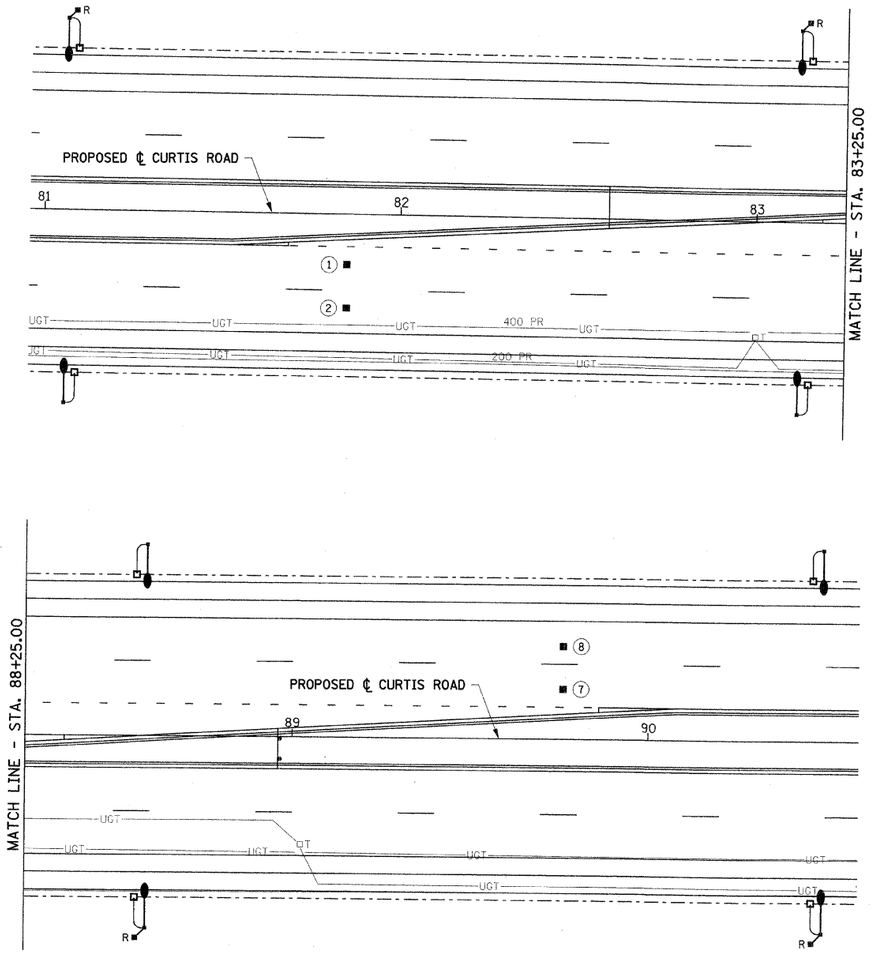
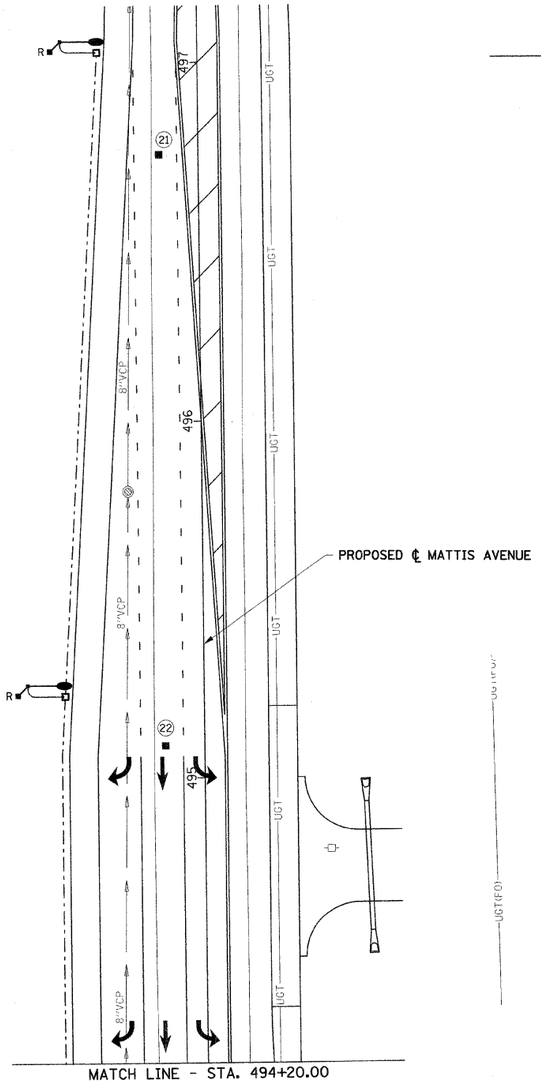
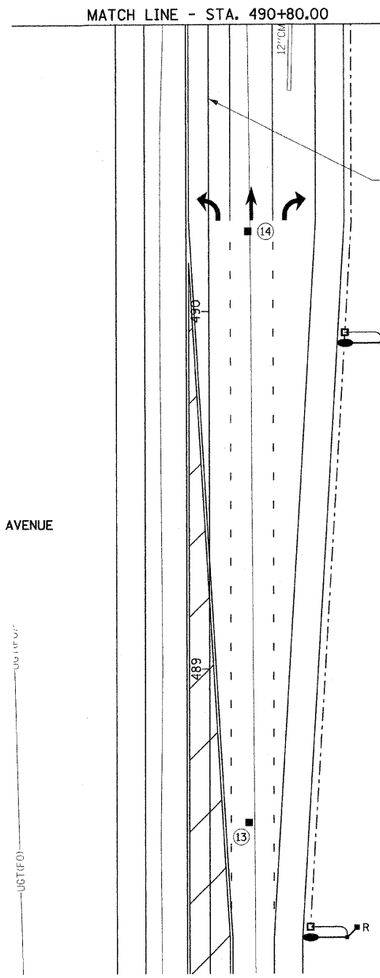
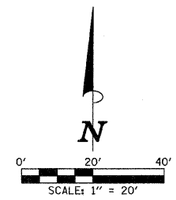
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	128
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368









TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- EMERGENCY VEHICLE PRIORITY SYSTEM RADIO/GPS UNIT
- WIRELESS VEHICLE DETECTION SYSTEM PAVEMENT SENSOR
- A — WIRELESS VEHICLE DETECTION SYSTEM ACCESS POINT (MOUNTED TO MAST ARM POLE)
- R — WIRELESS VEHICLE DETECTION SYSTEM REPEATER (MOUNTED TO LIGHT POLE)
- INTERNALLY ILLUMINATED STREET NAME SIGN
- CONTROLLER CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- LUMINAIRE AND MAST ARM (SEE ROADWAY LIGHTING PLANS)
- SERVICE INSTALLATION (SEE ROADWAY LIGHTING PLANS)
- LIGHT POLE OR (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- CONDUIT AUGERED (SEE ROADWAY LIGHTING PLANS)
- CONDUIT IN TRENCH (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONTROLLER CABINET (SEE ROADWAY LIGHTING PLANS)

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & MATTIS AVENUE TRAFFIC SIGNAL PLANS

TRAFFIC SIGNAL LAYOUT

DATE : 10-08
DRAWN BY : J.A.J.
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SCALE : 1"=20'

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	129
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

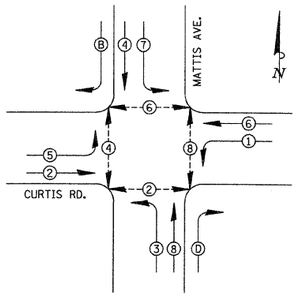
BILL OF MATERIALS

ITEM	UNIT	QUANTITY	
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	174	
CONDUIT IN TRENCH, 2½" DIA., PVC	FOOT	76	
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	18	
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10	
CONDUIT AUGERED, 4" DIA., PVC	FOOT	230	
CONDUIT AUGERED, 5" DIA., PVC	FOOT	140	
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3	
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	44	
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	234	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	•
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	740	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1490	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2180	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2690	
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2	
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT. (SPECIAL)	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. (SPECIAL)	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. (SPECIAL)	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	12	•
CONCRETE FOUNDATION, TYPE D	FOOT	3.5	•
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60	•
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6	
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8	
TRAFFIC SIGNAL BACKPLATE	EACH	12	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	750	•
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1	
PEDESTRIAN PUSH-BUTTON, SPECIAL	EACH	4	
INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	
TRAFFIC SIGNAL POST, 10 FOOT (SPECIAL)	EACH	2	
TRAFFIC SIGNAL POST, 14 FOOT (SPECIAL)	EACH	2	
WIRELESS VEHICLE DETECTION SYSTEM	EACH	1	

• SEE TECHNICAL SPECIFICATIONS FOR SYSTEM GROUNDING INFORMATION.

TRAFFIC SIGNAL GENERAL NOTES

1. THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
2. POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES SHALL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
3. THE TOP BRACKET FOR A SIGNAL HEAD MOUNTED TO A TAPERED LIGHT POLE SHALL BE SHIMMED AS REQUIRED BY THE INSTALLATION.
4. 12" LENSES SHALL BE USED ON ALL SIGNAL FACES.
5. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, AND LUMINAIRE SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. REFER TO THE ROADWAY LIGHTING PLANS FOR LUMINAIRE TYPE AND QUANTITY.
6. MAST ARM FOUNDATIONS SHALL INCLUDE A SEPARATE STUB AND CAP FOR ROADWAY LIGHTING CABLE. ROADWAY LIGHTING CABLE AND TRAFFIC SIGNAL CABLE SHALL NOT SHARE THE SAME CONDUIT. ROADWAY LIGHTING CABLE AND INTERNALLY ILLUMINATED STREET NAME SIGN CABLE SHALL BE INSTALLED IN THE SAME CONDUIT. REFER TO THE ROADWAY LIGHTING PLANS FOR ADDITIONAL INFORMATION.
7. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. A ¼" CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES, FOUNDATIONS, AND CONTROLLERS. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
9. THE TRAFFIC SIGNAL CONTROLLER AND THE TRAFFIC SIGNAL EQUIPMENT SHALL RECEIVE POWER FROM THE ROADWAY LIGHTING CONTROLLER. FOR ELECTRICAL SERVICE INFORMATION, REFER TO THE ROADWAY LIGHTING PLANS AND THE TECHNICAL SPECIFICATIONS.
10. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
11. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF CHAMPAIGN.
12. THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE EMERGENCY VEHICLE PRIORITY SYSTEM, INCLUDING ALL INSTALLATION CABLES, SHALL BE INCLUDED IN THE COST OF THE EMERGENCY VEHICLE PRIORITY SYSTEM.
13. THE RADIO/GPS CABLE FOR THE EMERGENCY VEHICLE PRIORITY SYSTEM SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE RADIO/GPS UNIT TO THE PHASE SELECTOR. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
14. THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE WIRELESS VEHICLE DETECTION SYSTEM, INCLUDING ALL INSTALLATION CABLES, SHALL BE INCLUDED IN THE COST OF THE WIRELESS VEHICLE DETECTION SYSTEM.
15. THE POWER OVER ETHERNET (POE) CABLE FOR THE WIRELESS VEHICLE DETECTION SYSTEM SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE ACCESS POINT TO THE ACCESSBOX. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
16. THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE INTERNALLY ILLUMINATED STREET NAME SIGN SHALL BE INCLUDED IN THE COST OF THE INTERNALLY ILLUMINATED STREET NAME SIGN. THE ELECTRIC CABLE WILL BE PAID FOR SEPARATELY. REFER TO THE ROADWAY LIGHTING PLANS FOR ADDITIONAL INFORMATION.
17. A PEDESTRIAN PUSH-BUTTON SIGN WILL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON. THE PEDESTRIAN PUSH-BUTTON SIGNS WILL BE FURNISHED AND INSTALLED BY THE CITY OF CHAMPAIGN.
18. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST, TYPE II.



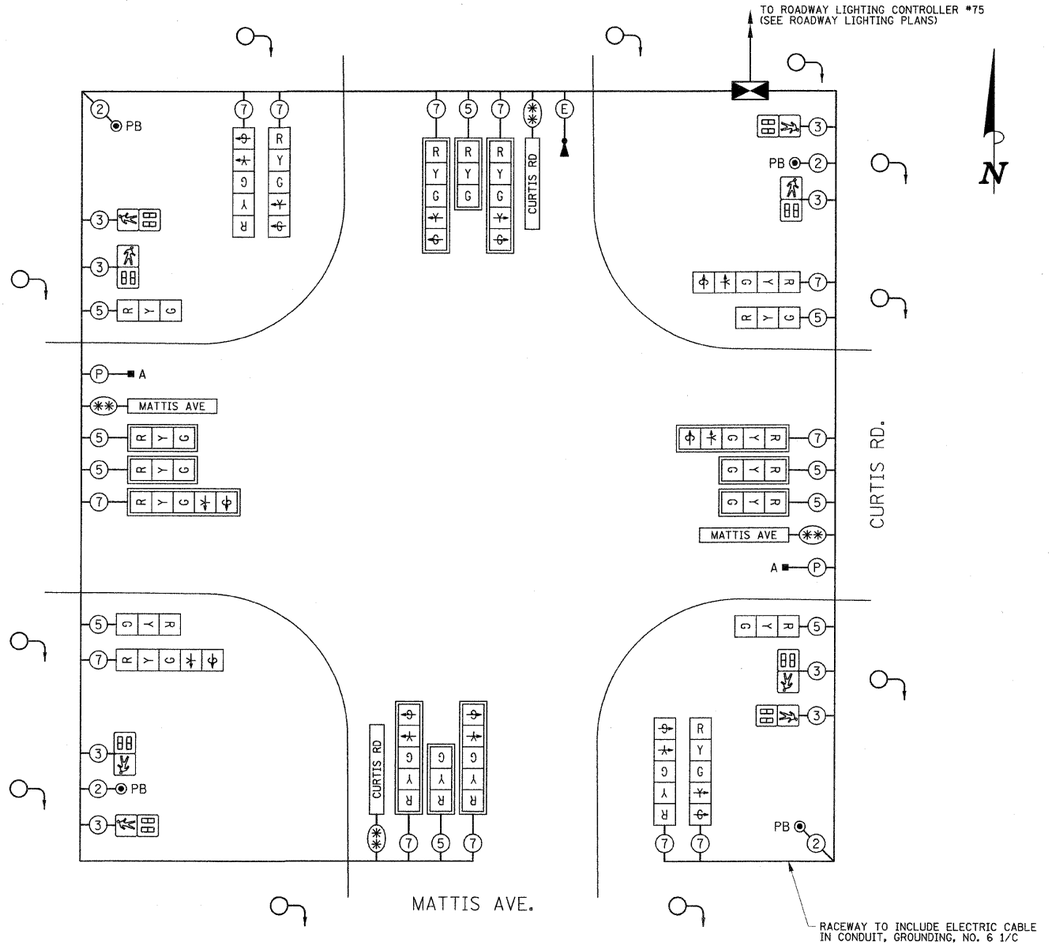
PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- RIGHT TURN OVERLAP (B = 5, D = 1)

* NUMBER REFERS TO ASSOCIATED PHASE

** THE CABLE FOR THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE INSTALLED FROM EACH SIGN TO ROADWAY LIGHTING CONTROLLER #75. THE CABLE SHALL BE INSTALLED IN THE ROADWAY LIGHTING CONDUIT. REFER TO THE ROADWAY LIGHTING PLANS FOR ADDITIONAL INFORMATION.



CABLE DIAGRAM

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- PB — PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN SIGNAL FACE
- EMERGENCY VEHICLE PRIORITY SYSTEM RADIO/GPS UNIT
- (E) — EMERGENCY VEHICLE PRIORITY SYSTEM RADIO/GPS CABLE SEE TECHNICAL SPECIFICATIONS
- ■A — WIRELESS VEHICLE DETECTION SYSTEM ACCESS POINT
- (P) — WIRELESS VEHICLE DETECTION SYSTEM POE CABLE SEE TECHNICAL SPECIFICATIONS
- (3) — DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED
- GROUNDING SYSTEM CONNECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & MATTIS AVENUE TRAFFIC SIGNAL PLANS

CABLE DIAGRAM/PHASE DESIGNATION DIAGRAM/ TRAFFIC SIGNAL GENERAL NOTES/BILL OF MATERIALS

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	130
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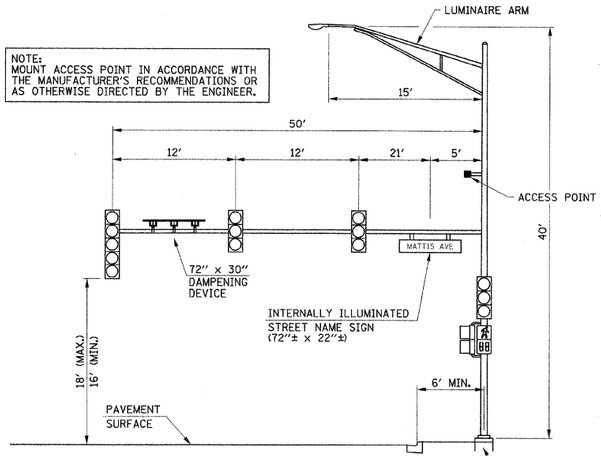
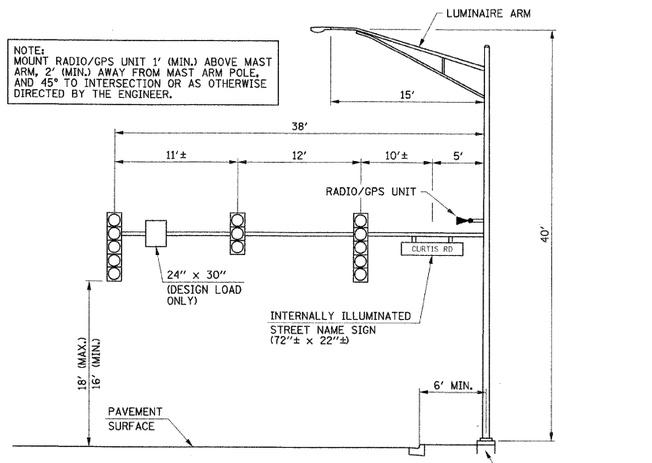


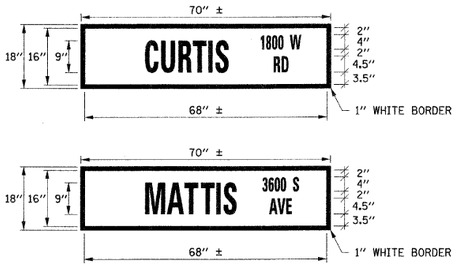
MAST ARM LOADING DIAGRAM

CURTIS ROAD & MATTIS AVENUE
NORTHWEST QUADRANT



MAST ARM LOADING DIAGRAM

CURTIS ROAD & MATTIS AVENUE
NORTHEAST QUADRANT



INTERNALLY ILLUMINATED STREET NAME SIGN FACE DETAILS

WHITE LETTERING ON GREEN BACKGROUND
SIGN LETTERING SHALL BE SERIES C

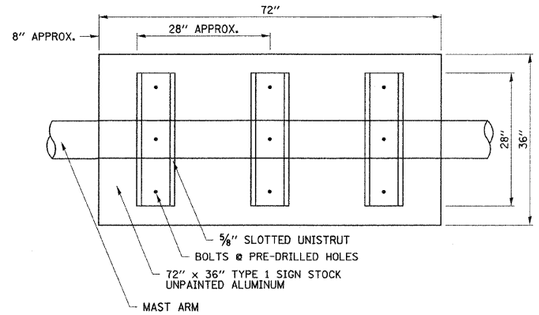
CONTRACTOR TO FURNISH CLEAR POLYCARBONATE SIGN FACE
CITY OF CHAMPAIGN TO FURNISH ALL SIGN GRAPHICS

MAST ARM LOADING DIAGRAM

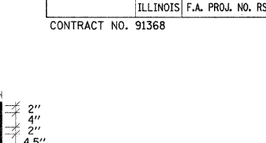
CURTIS ROAD & MATTIS AVENUE
SOUTHWEST QUADRANT

MAST ARM LOADING DIAGRAM

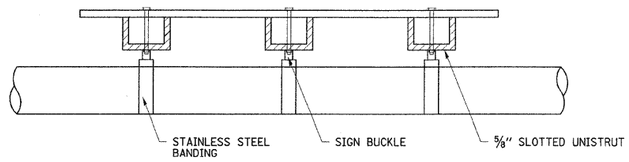
CURTIS ROAD & MATTIS AVENUE
SOUTHEAST QUADRANT



PLAN VIEW



CROSS SECTION



ELEVATION

NOTE:
PAINT ENDS OF UNISTRUT WITH SPRAY ON GALVANIZED PAINT

MAST ARM MOUNTED DAMPENING DEVICE DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & MATTIS AVENUE TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL DETAILS

DATE : 10-08
DRAWN BY : J.A.J.
SCALE : NONE
CHECKED BY : R.L.H.

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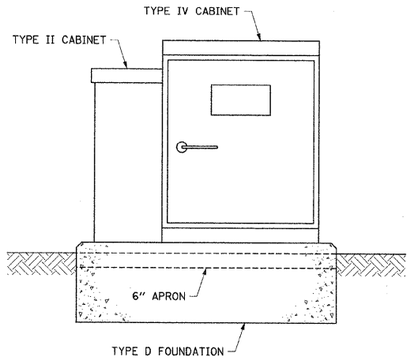
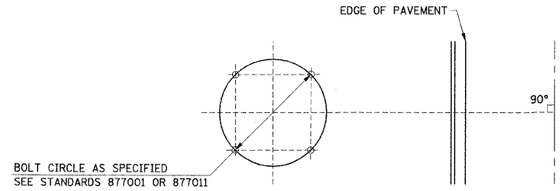
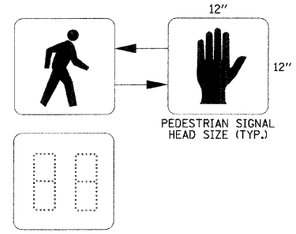


UPS BATTERY CABINET MOUNTING DETAIL

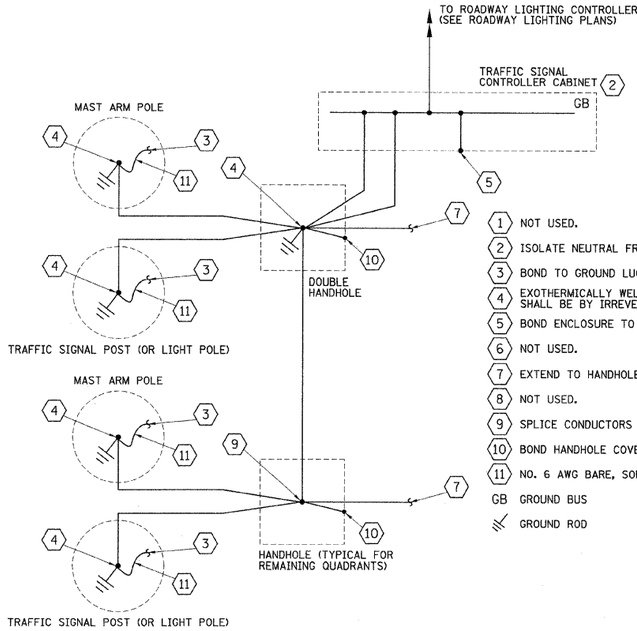


MAST ARM FOUNDATION BOLT PATTERN DETAIL

ORIENTATION OF ANCHOR BOLTS TO BE FIELD VERIFIED

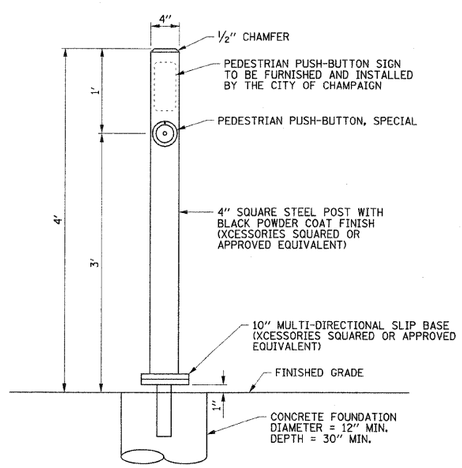


PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAILS

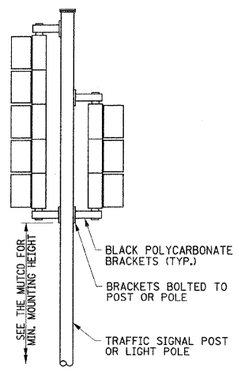


TRAFFIC SIGNAL GROUNDING DIAGRAM

ALL WIRES SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTORS WITH XLP INSULATION UNLESS OTHERWISE INDICATED. THE INSULATION COLOR SHALL BE GREEN.



PEDESTRIAN PUSH-BUTTON POST DETAILS



TRAFFIC SIGNAL MOUNTING DETAILS

ONE 3-SECTION SIGNAL HEAD AND ONE 5-SECTION SIGNAL HEAD BRACKET MOUNTED WITH BOTTOM SECTIONS AT COMMON ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & MATTIS AVENUE
TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL DETAILS

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	132
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

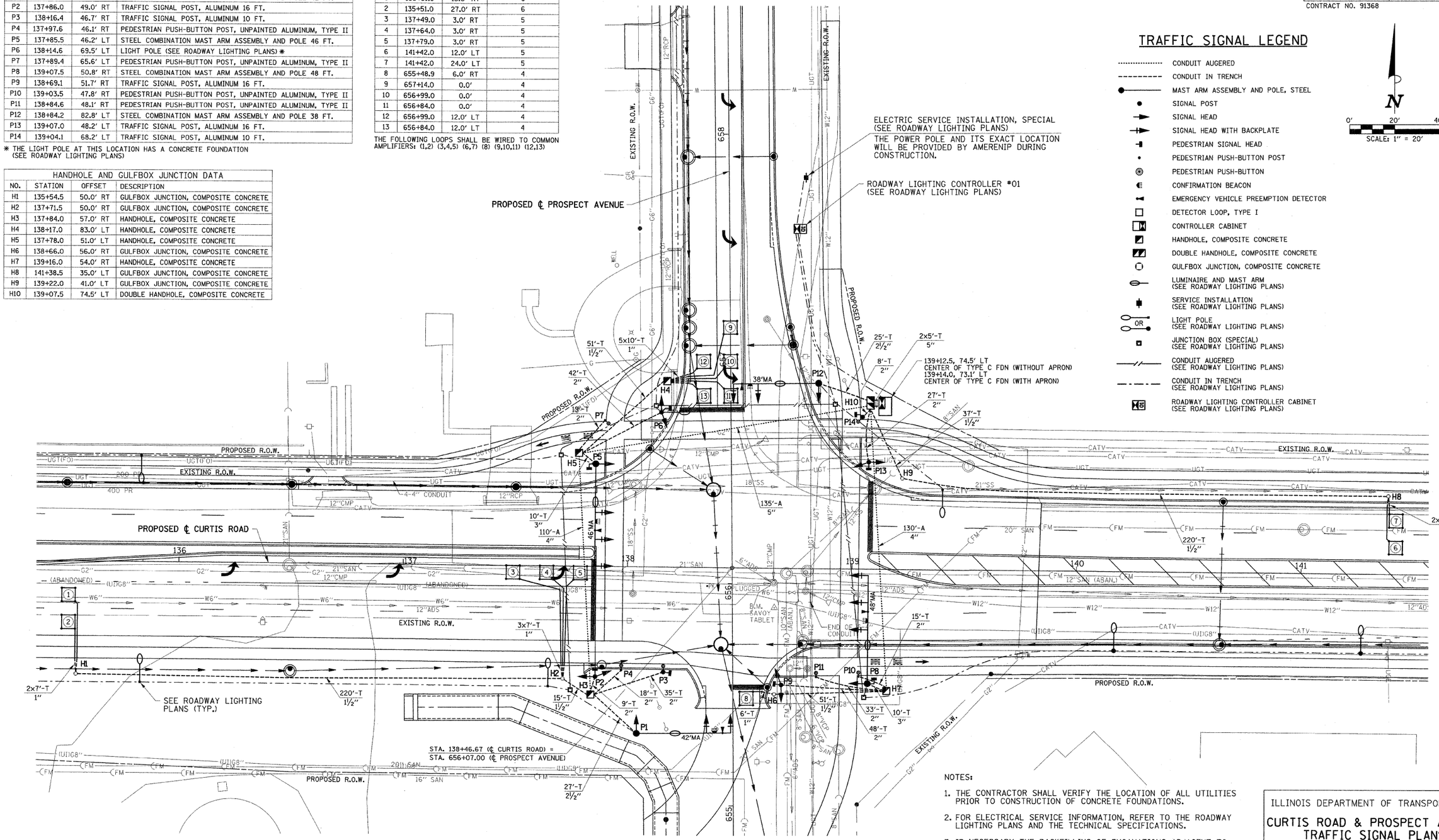
POST AND MAST ARM DATA			
NO.	STATION	OFFSET	DESCRIPTION
P1	138+04.7	74.1' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.
P2	137+86.0	49.0' RT	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.
P3	138+16.4	46.7' RT	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.
P4	137+97.6	46.1' RT	PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II
P5	137+85.5	46.2' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.
P6	138+14.6	69.5' LT	LIGHT POLE (SEE ROADWAY LIGHTING PLANS) *
P7	137+89.4	65.6' LT	PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II
P8	139+07.5	50.8' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.
P9	138+69.1	51.7' RT	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.
P10	139+03.5	47.8' RT	PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II
P11	138+84.6	48.1' RT	PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II
P12	138+84.2	82.8' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.
P13	139+07.0	48.2' LT	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.
P14	139+04.1	68.2' LT	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.

* THE LIGHT POLE AT THIS LOCATION HAS A CONCRETE FOUNDATION (SEE ROADWAY LIGHTING PLANS)

HANDHOLE AND GULFBOX JUNCTION DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	135+54.5	50.0' RT	GULFBOX JUNCTION, COMPOSITE CONCRETE
H2	137+71.5	50.0' RT	GULFBOX JUNCTION, COMPOSITE CONCRETE
H3	137+84.0	57.0' RT	HANDHOLE, COMPOSITE CONCRETE
H4	138+17.0	83.0' LT	HANDHOLE, COMPOSITE CONCRETE
H5	137+78.0	51.0' LT	HANDHOLE, COMPOSITE CONCRETE
H6	138+66.0	56.0' RT	GULFBOX JUNCTION, COMPOSITE CONCRETE
H7	139+16.0	54.0' RT	HANDHOLE, COMPOSITE CONCRETE
H8	141+38.5	35.0' LT	GULFBOX JUNCTION, COMPOSITE CONCRETE
H9	139+22.0	41.0' LT	GULFBOX JUNCTION, COMPOSITE CONCRETE
H10	139+07.5	74.5' LT	DOUBLE HANDHOLE, COMPOSITE CONCRETE

DETECTOR LOOP DATA			
NO.	STATION	OFFSET	NUMBER OF TURNS
1	135+51.0	15.0' RT	6
2	135+51.0	27.0' RT	6
3	137+49.0	3.0' RT	5
4	137+64.0	3.0' RT	5
5	137+79.0	3.0' RT	5
6	141+42.0	12.0' LT	5
7	141+42.0	24.0' LT	5
8	655+48.9	6.0' RT	4
9	657+14.0	0.0'	4
10	656+99.0	0.0'	4
11	656+84.0	0.0'	4
12	656+99.0	12.0' LT	4
13	656+84.0	12.0' LT	4

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (1,2) (3,4,5) (6,7) (8) (9,10,11) (12,13)



TRAFFIC SIGNAL LEGEND

- CONDUIT AUGERED
- CONDUIT IN TRENCH
- MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- PEDESTRIAN PUSH-BUTTON
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- DETECTOR LOOP, TYPE I
- CONTROLLER CABINET
- HANDHOLE, COMPOSITE CONCRETE
- DOUBLE HANDHOLE, COMPOSITE CONCRETE
- GULFBOX JUNCTION, COMPOSITE CONCRETE
- LUMINAIRE AND MAST ARM (SEE ROADWAY LIGHTING PLANS)
- SERVICE INSTALLATION (SEE ROADWAY LIGHTING PLANS)
- LIGHT POLE (SEE ROADWAY LIGHTING PLANS)
- JUNCTION BOX (SPECIAL) (SEE ROADWAY LIGHTING PLANS)
- CONDUIT AUGERED (SEE ROADWAY LIGHTING PLANS)
- CONDUIT IN TRENCH (SEE ROADWAY LIGHTING PLANS)
- ROADWAY LIGHTING CONTROLLER CABINET (SEE ROADWAY LIGHTING PLANS)

N

0' 20' 40'

SCALE: 1" = 20'

NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF CONCRETE FOUNDATIONS.
2. FOR ELECTRICAL SERVICE INFORMATION, REFER TO THE ROADWAY LIGHTING PLANS AND THE TECHNICAL SPECIFICATIONS.
3. IF NECESSARY THE BACKFILLING OF EXCAVATIONS ADJACENT TO CONCRETE SIGNAL FOUNDATIONS SHALL BE DONE PRIOR TO CONSTRUCTING THE FOUNDATIONS. TRENCH BACKFILL (SPECIAL) AND CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT TO ALLOW FOR THE FOUNDATION CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & PROSPECT AVENUE TRAFFIC SIGNAL PLANS

TRAFFIC SIGNAL LAYOUT

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	133
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

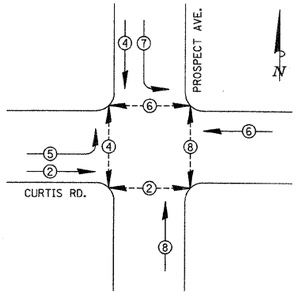
BILL OF MATERIALS

ITEM	UNIT	QUANTITY	
SIGN PANEL, TYPE 2	SQ FT	47.5	
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	101	
CONDUIT IN TRENCH, 1½" DIA., PVC	FOOT	594	
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	254	
CONDUIT IN TRENCH, 2½" DIA., PVC	FOOT	52	
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	20	
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	10	
CONDUIT AUGERED, 4" DIA., PVC	FOOT	240	
CONDUIT AUGERED, 5" DIA., PVC	FOOT	135	
HANDHOLE, COMPOSITE CONCRETE	EACH	4	
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1	
GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	5	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	362	
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	669	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	•
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1240	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1560	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	3010	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1770	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1760	
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	2	
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	15	•
CONCRETE FOUNDATION, TYPE C	FOOT	3.5	•
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52	•
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	3	
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8	
TRAFFIC SIGNAL BACKPLATE	EACH	10	
INDUCTIVE LOOP DETECTOR	EACH	6	
DETECTOR LOOP, TYPE I	FOOT	600	
LIGHT DETECTOR	EACH	4	
LIGHT DETECTOR AMPLIFIER	EACH	1	
PEDESTRIAN PUSH-BUTTON	EACH	6	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	770	•
PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II	EACH	4	

• SEE TECHNICAL SPECIFICATIONS FOR SYSTEM GROUNDING INFORMATION.

TRAFFIC SIGNAL GENERAL NOTES

1. THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
2. POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES SHALL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
3. THE TOP BRACKET FOR A SIGNAL HEAD MOUNTED TO A TAPERED LIGHT POLE SHALL BE SHIMMED AS REQUIRED BY THE INSTALLATION.
4. 12" LENSES SHALL BE USED ON ALL SIGNAL FACES.
5. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, AND LUMINAIRE SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. REFER TO THE ROADWAY LIGHTING PLANS FOR LUMINAIRE TYPE AND QUANTITY.
6. MAST ARM FOUNDATIONS SHALL INCLUDE A SEPARATE STUB AND CAP FOR ROADWAY LIGHTING CABLE. ROADWAY LIGHTING CABLE AND TRAFFIC SIGNAL CABLE SHALL NOT SHARE THE SAME CONDUIT. REFER TO THE ROADWAY LIGHTING PLANS FOR ADDITIONAL INFORMATION.
7. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. A ¼" CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES, FOUNDATIONS, AND CONTROLLERS. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
9. THE TRAFFIC SIGNAL CONTROLLER AND THE TRAFFIC SIGNAL EQUIPMENT SHALL RECEIVE POWER FROM THE ROADWAY LIGHTING CONTROLLER. FOR ELECTRICAL SERVICE INFORMATION, REFER TO THE ROADWAY LIGHTING PLANS AND THE TECHNICAL SPECIFICATIONS.
10. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
11. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE VILLAGE OF SAVOY.
12. THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE EMERGENCY VEHICLE PRIORITY SYSTEM, INCLUDING ALL ELECTRIC CABLE AND THE CONFIRMATION BEACON, SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR.
13. THE ELECTRIC CABLE FOR THE LIGHT DETECTOR SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE LIGHT DETECTOR TO THE LIGHT DETECTOR AMPLIFIER. SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
14. PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON ACCORDING TO STANDARD 876001. THE PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE ACCORDING TO SECTION 888 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON.
15. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST, UNPAINTED ALUMINUM, TYPE II.



PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM LEGEND

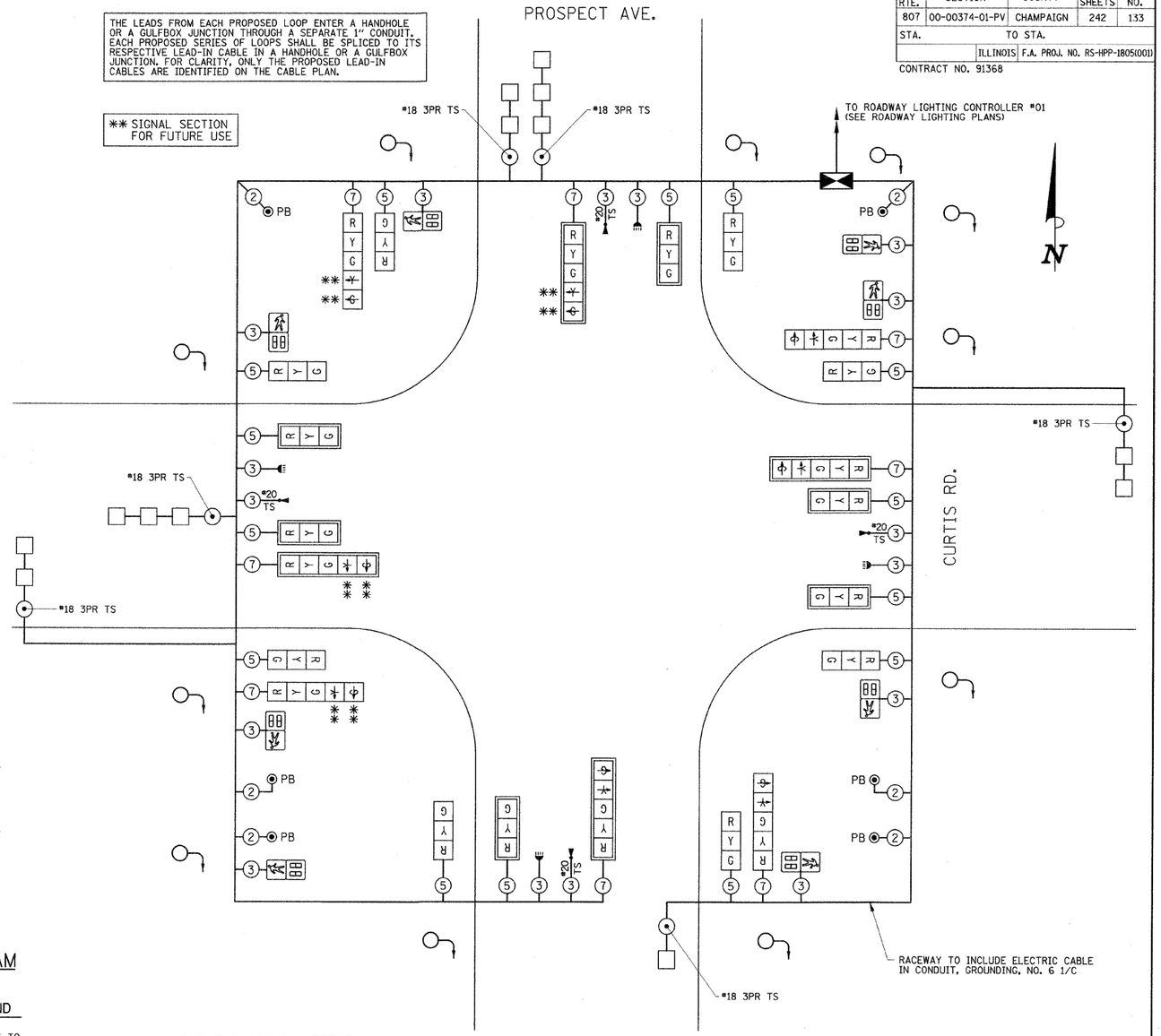
DUAL ENTRY PHASE

PEDESTRIAN PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

THE LEADS FROM EACH PROPOSED LOOP ENTER A HANDHOLE OR A GULFBOX JUNCTION THROUGH A SEPARATE 1" CONDUIT. EACH PROPOSED SERIES OF LOOPS SHALL BE SPLICED TO ITS RESPECTIVE LEAD-IN CABLE IN A HANDHOLE OR A GULFBOX JUNCTION. FOR CLARITY, ONLY THE PROPOSED LEAD-IN CABLES ARE IDENTIFIED ON THE CABLE PLAN.

** SIGNAL SECTION FOR FUTURE USE



CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- PB — PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN SIGNAL FACE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- (3) — DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED
- TS — TWISTED, SHIELDED
- DETECTOR LOOP, TYPE I
- GROUNDING SYSTEM CONNECTION

CABLE DIAGRAM

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & PROSPECT AVENUE TRAFFIC SIGNAL PLANS

CABLE DIAGRAM/PHASE DESIGNATION DIAGRAM/ TRAFFIC SIGNAL GENERAL NOTES/BILL OF MATERIALS

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

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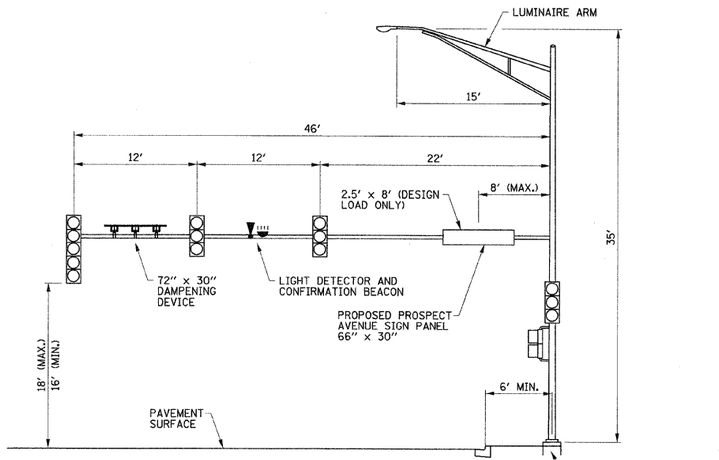
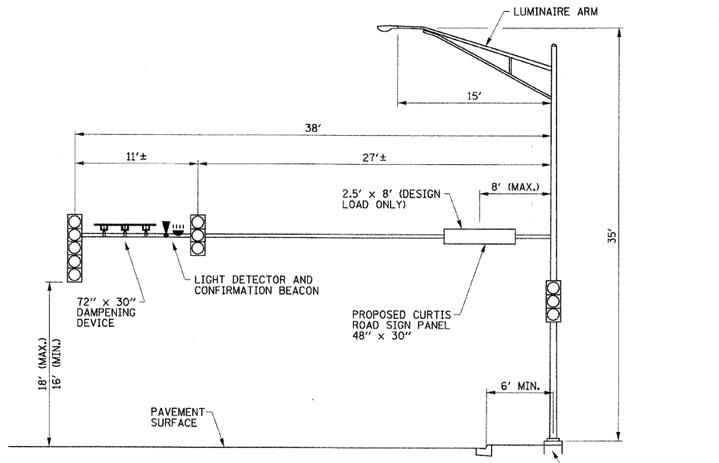


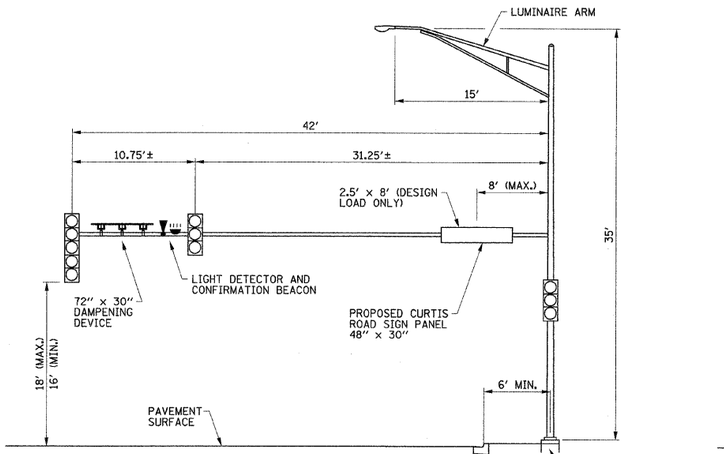
MAST ARM LOADING DIAGRAM

CURTIS ROAD & PROSPECT AVENUE
NORTHWEST QUADRANT



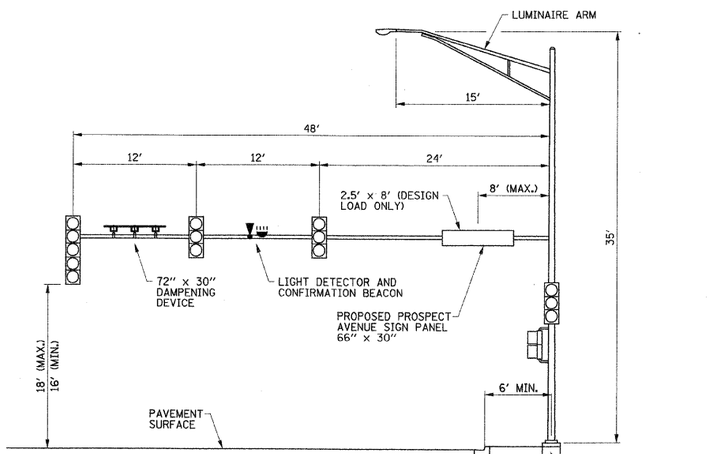
MAST ARM LOADING DIAGRAM

CURTIS ROAD & PROSPECT AVENUE
NORTHEAST QUADRANT



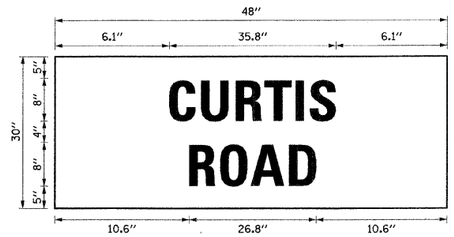
MAST ARM LOADING DIAGRAM

CURTIS ROAD & PROSPECT AVENUE
SOUTHWEST QUADRANT



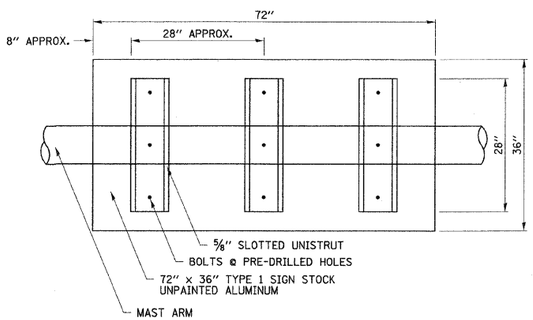
MAST ARM LOADING DIAGRAM

CURTIS ROAD & PROSPECT AVENUE
SOUTHEAST QUADRANT

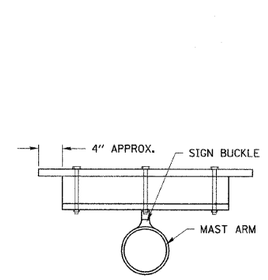


MAST ARM MOUNTED STREET NAME SIGN DETAILS

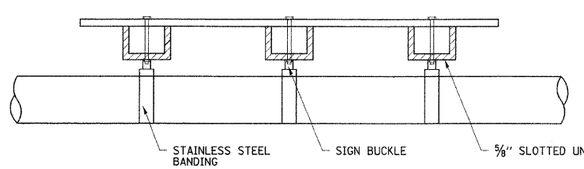
SERIES D - 8"
TYPE A SHEETING REQUIRED



PLAN VIEW



CROSS SECTION



ELEVATION

NOTE:
PAINT ENDS OF UNISTRUT WITH SPRAY ON GALVANIZED PAINT

MAST ARM MOUNTED DAMPENING DEVICE DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & PROSPECT AVENUE TRAFFIC SIGNAL PLANS

TRAFFIC SIGNAL DETAILS

DATE : 10-08
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	135
STA.	TO STA.			
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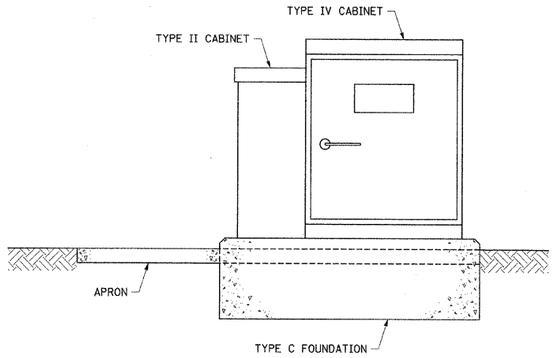
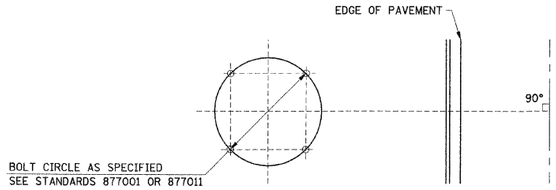
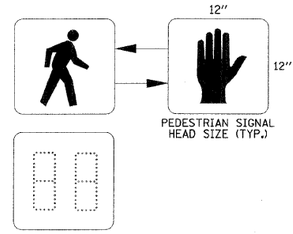


UPS BATTERY CABINET MOUNTING DETAIL

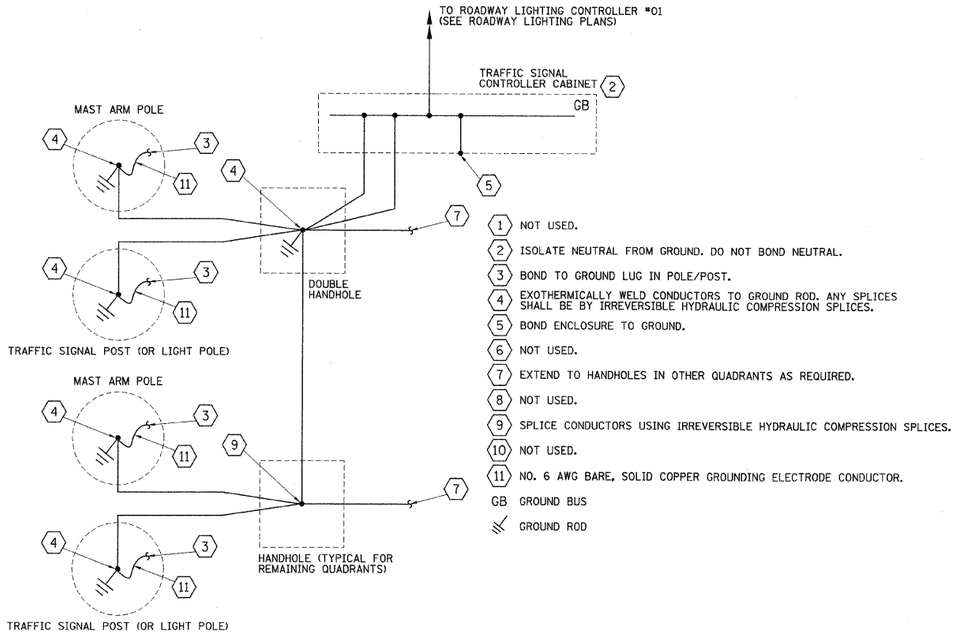


MAST ARM FOUNDATION BOLT PATTERN DETAIL

ORIENTATION OF ANCHOR BOLTS TO BE FIELD VERIFIED



PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAILS



TRAFFIC SIGNAL GROUNDING DIAGRAM

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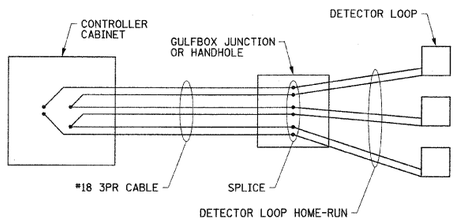
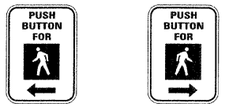


DETECTOR LOOP WIRING DETAIL

WIRED IN SERIES WITH MULTI-PAIR CABLE



MUTCD R10-4B

FOR PLACEMENT OF PEDESTRIAN PUSH-BUTTON SIGNS, REFER TO THE TRAFFIC SIGNAL GENERAL NOTES.

PEDESTRIAN PUSH-BUTTON SIGN DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD & PROSPECT AVENUE TRAFFIC SIGNAL PLANS

TRAFFIC SIGNAL DETAILS

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807	00-00374-01-PV	CHAMPAIGN	242	136
STA. 56+00.00		TO STA. 67+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

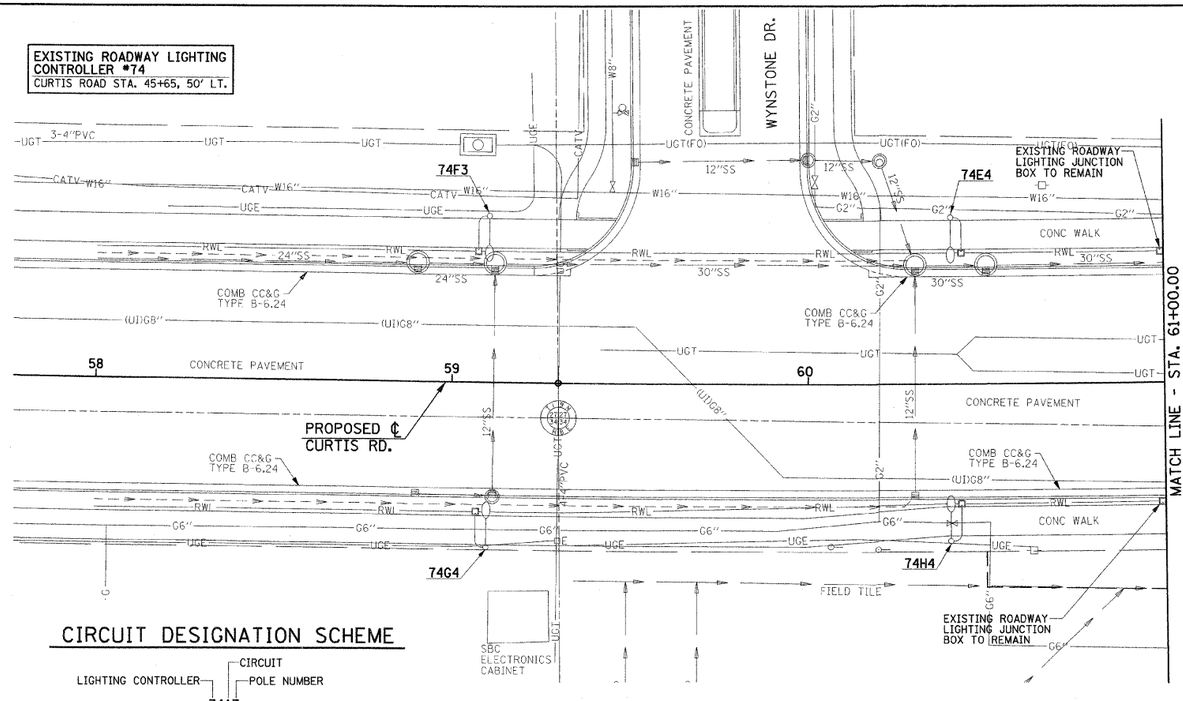
CONTRACT NO. 91368

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2005 NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND ALL APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR A COMPLETE AND WORKABLE SYSTEM.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIAL AND TOOLS FOR THE PROJECT.
4. ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
5. ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2005 NATIONAL ELECTRICAL CODE.
6. ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT ALL ELBOWS AND VERTICAL RISERS WHICH SHALL BE RIGID GALVANIZED STEEL (RGS). ALL ELBOWS SHALL BE LONG RADIUS TYPE. CONTRACTOR SHALL VERIFY AND COMPLY WITH ALL AMEREN IP REQUIREMENTS FOR THE SERVICE INSTALLATION.
7. CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING AND INSTALLATION WITH ALL OTHER SITE WORK BEING PERFORMED. COORDINATE ALL POLE LOCATIONS WITH ENGINEER IN FIELD.
8. PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
9. ALL CONDUIT SHALL BE 30" BELOW FINAL GRADE UNLESS DIRECTED OTHERWISE BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING SYSTEM.
10. GROUND RODS SHALL BE 3/4" DIA. X 10'-0" LONG COPPER CLAD STEEL. GROUNDING ELECTRODE CONDUCTORS SHALL BE #6 SOLID COPPER AND SHALL BE EXOTHERMICALLY WELDED TO GROUNDING ELECTRODE. GROUND ROD SHALL BE INSTALLED ONLY AT CONCRETE POLE FOUNDATIONS AND LIGHTING CONTROLLER.
11. POLE WIRING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE LUMINAIRE PER ARTICLE 821.03 OF THE STANDARD SPECIFICATIONS.
12. THE EXISTING ROADWAY LIGHTING CABLES AND CONDUITS THAT ARE NOT INCORPORATED IN THE PROPOSED ROADWAY LIGHTING WORK SHALL BE REMOVED, AND THE TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 819.04 OF THE STANDARD SPECIFICATIONS. THE EXISTING CABLE AND CONDUIT REMOVAL AND BACKFILLING THE TRENCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ROADWAY LIGHTING CONDUIT REMOVAL. EXISTING ROADWAY LIGHTING CABLE THAT IS REMOVED FROM EXISTING CONDUIT TO REMAIN IN PLACE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF ROADWAY LIGHTING CONDUIT REMOVAL, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. THE CONTRACTOR SHALL USE CARE IN CONSTRUCTING THE CONCRETE FOUNDATIONS FOR THE STREET LIGHTS THAT ARE NEAR TRENCH EXCAVATIONS FOR BOX CULVERTS OR STORM SEWERS. THE TRENCH BACKFILL, SPECIAL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT AT THE CONCRETE FOUNDATION LOCATIONS TO ALLOW FOR THEIR LATER CONSTRUCTION.
14. THE AUGERED CONDUITS MAY BE CONSTRUCTED IN TRENCHES PRIOR TO CONSTRUCTING PAVEMENTS WITH THE APPROVAL OF THE ENGINEER. THE CONDUITS WILL THEN BE PAID FOR AS CONDUIT IN TRENCH, 2" DIA., PVC AND AS TRENCH AND BACKFILL WITH SCREENINGS OR SAND.

CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUIT WITH 4-#4, 1-#4 GND.
2. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
3. 4-#4, 1-#4 GND. IN EXISTING CONDUIT

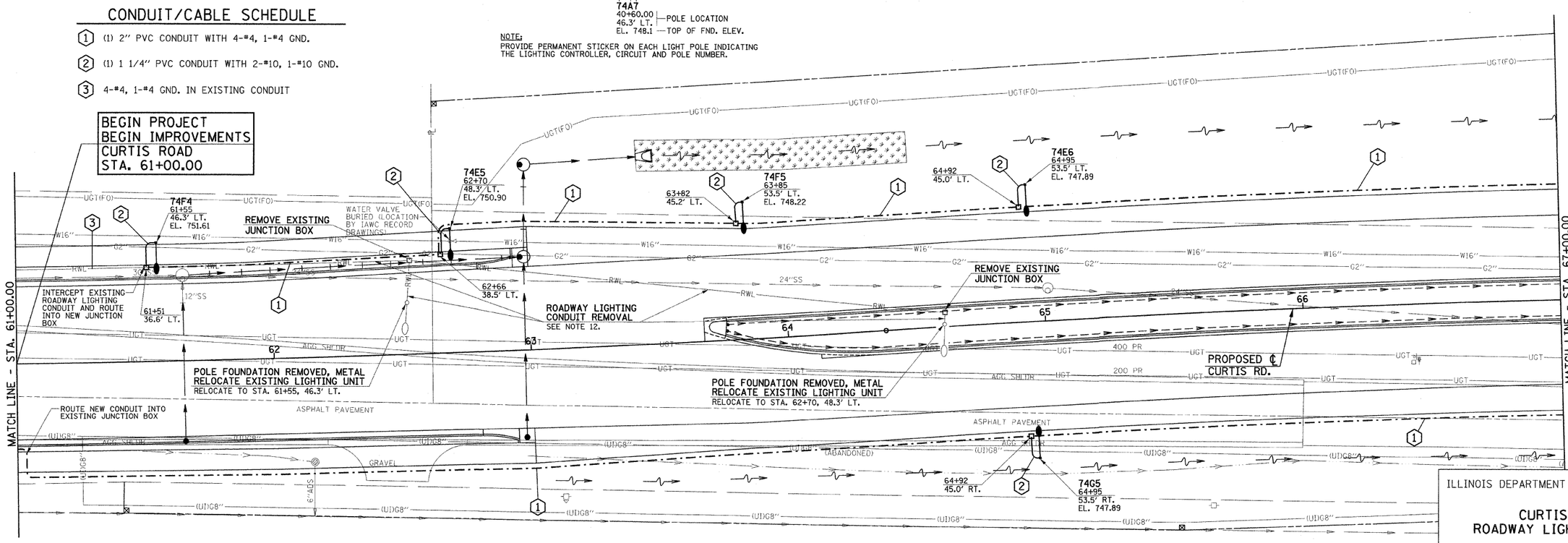


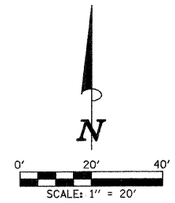
CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

74A7
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.





ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES
- EXISTING 250W HPS LUMINAIRE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : JRM/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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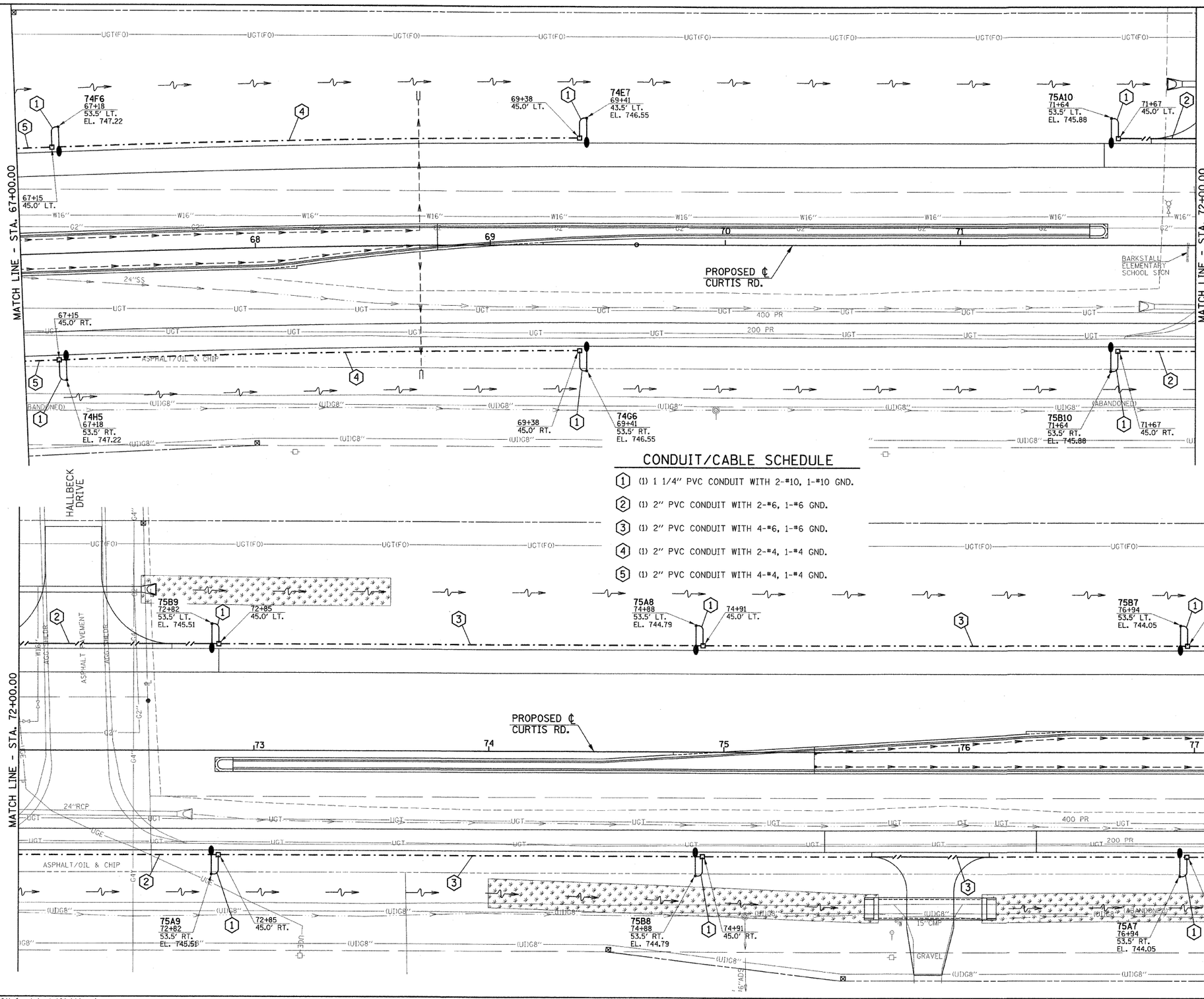
10/2/2008 9:25:46 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	137
STA. 67+00.00	TO STA. 78+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



N

0' 20' 40'

SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

74A7
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

CONDUIT/CABLE SCHEDULE

1. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
2. (1) 2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
3. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.
4. (1) 2" PVC CONDUIT WITH 2-#4, 1-#4 GND.
5. (1) 2" PVC CONDUIT WITH 4-#4, 1-#4 GND.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : JRM/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	138
STA. 78+00.00 491+75.00	TO STA. 89+00.00 493+75.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

N

0' 20' 40'

SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- M — PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- MX — PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CONDUIT/CABLE SCHEDULE

1. (2) 2" PVC CONDUITS, ONE WITH 4-#8, 2-#10 1-#8 GND. AND ONE WITH 4-#6, 2-#10, 1-#6 GND.
2. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
3. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
4. (1) 2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
5. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.
6. (2) 3" PVC SERVICE LATERAL CONDUITS, ONE WITH 3-#1 AND ONE SPARE. SERVICE LATERAL CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. ALL ELBOWS SHALL BE LONG RADIUS TYPE, RIGID GALVANIZED STEEL. SERVICE LATERAL CONDUITS SHALL COMPLY WITH ALL AMEREN IP REQUIREMENTS.
7. (1) 1 1/4" PVC CONDUIT WITH 4-#10, 1-#10 GND.
8. (1) 2" PVC CONDUIT WITH 4-#6, 2-#10, 1-#6 GND.
9. (1) 2" PVC CONDUIT WITH 4-#8, 2-#10, 1-#8 GND.

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT / POLE NUMBER

75A7
40+60.00 — POLE LOCATION
46.3' LT. — POLE LOCATION
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

MATCH LINE - STA. 78+00.00

MATCH LINE - STA. 83+00.00

MATCH LINE - STA. 493+75.00 SEE SHEET NO. 145

MATCH LINE - STA. 491+75.00 SEE SHEET NO. 145

MATCH LINE - STA. 89+00.00

75A6 79+00 53.5' LT. EL. 743.31 — 79+03 45.0' LT.

75B5 81+06 53.5' LT. EL. 742.57 — 81+09 45.0' LT.

PROPOSED ℄ CURTIS RD.

75B6 79+00 53.5' RT. EL. 743.31 — 79+03 45.0' RT.

75A5 81+06 53.5' RT. EL. 742.57 — 81+09 45.0' RT.

75A2 493+46 41.0' LT.

493+46 46.0' LT.

75D3 493+46.46 40.26' RT.

ROADWAY LIGHTING CONTROLLER #75 493+67, 65.0' RT. (LOCATION NO. 1)

75A4 83+12 53.5' LT. EL. 741.83 — 83+15 45.0' LT.

75B2 85+18.08 52.55' LT.

13"W x 24"L x 12"D JUNCTION BOX 85+05, 50.0' LT.

493+46 46.0' RT.

75C3 86+70 53.5' LT. EL. 742.60

13"W x 24"L x 12"D JUNCTION BOX 86+67, 50.0' LT.

88+56 45.0' LT. — 75D4 88+59 53.5' LT. EL. 739.86

STA. 85+80.33 (℄ CURTIS RD.) = STA. 492+65.00 (℄ MATTIS AVE.)

PROPOSED ℄ CURTIS RD.

75A3 85+18 48.0' RT.

PROPOSED ℄ MATTIS AVE.

13"W x 24"L x 12"D JUNCTION BOX 86+67, 50.0' RT.

75B4 83+12 53.5' RT. EL. 741.83 — 83+15 45.0' RT.

13"W x 24"L x 12"D JUNCTION BOX 85+13, 50.0' RT.

75D2 86+70 53.5' RT. EL. 742.60

88+56 45.0' RT. — 75C4 88+59 53.5' RT. EL. 739.86

ASPHALT/OIL & CHIP

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : JRM/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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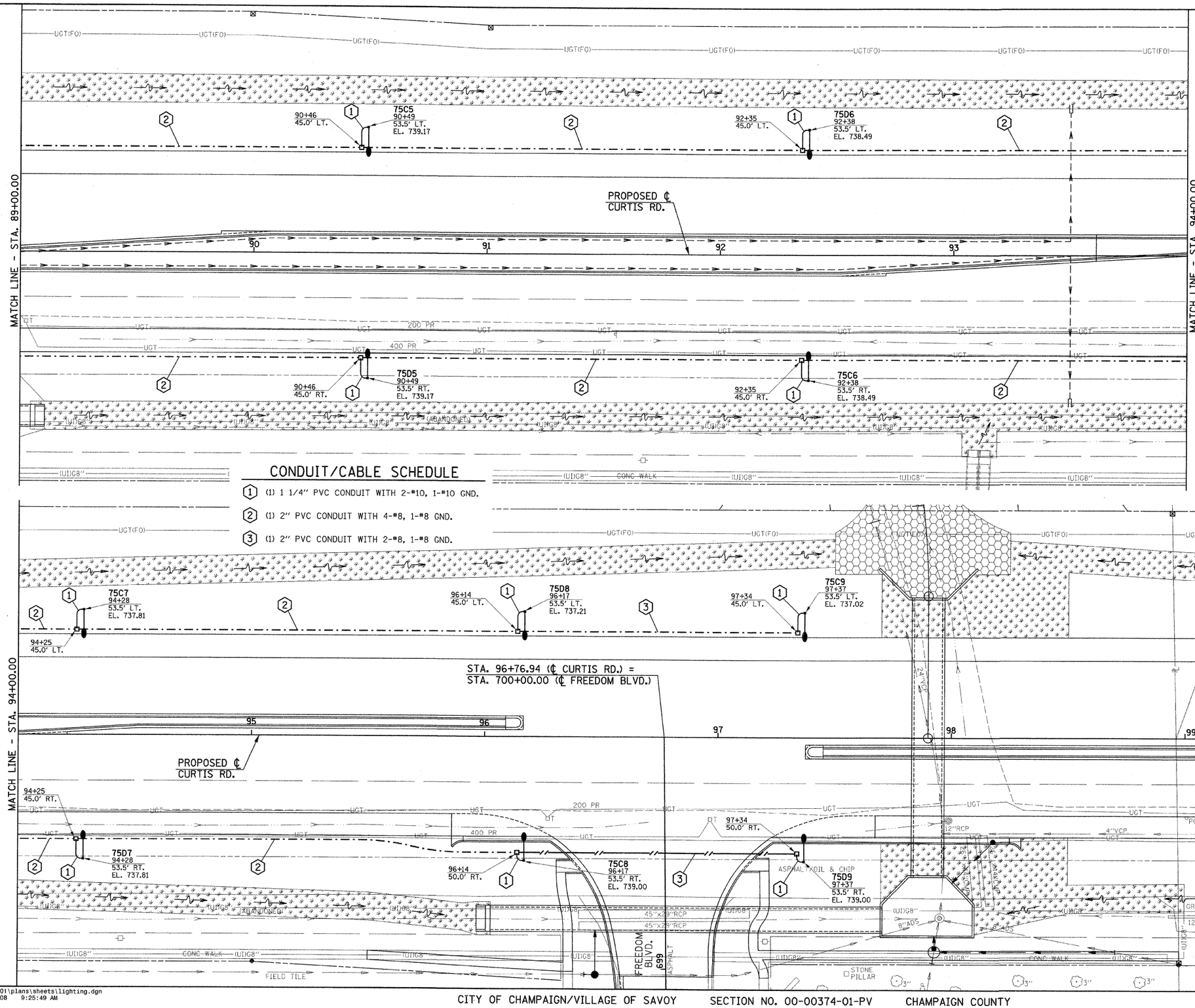
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	139
STA. 89+00.00		TO STA. 100+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



CONDUIT/CABLE SCHEDULE

1. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
2. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
3. (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND.

N

0' 20' 40'

SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

75A7
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : JRM/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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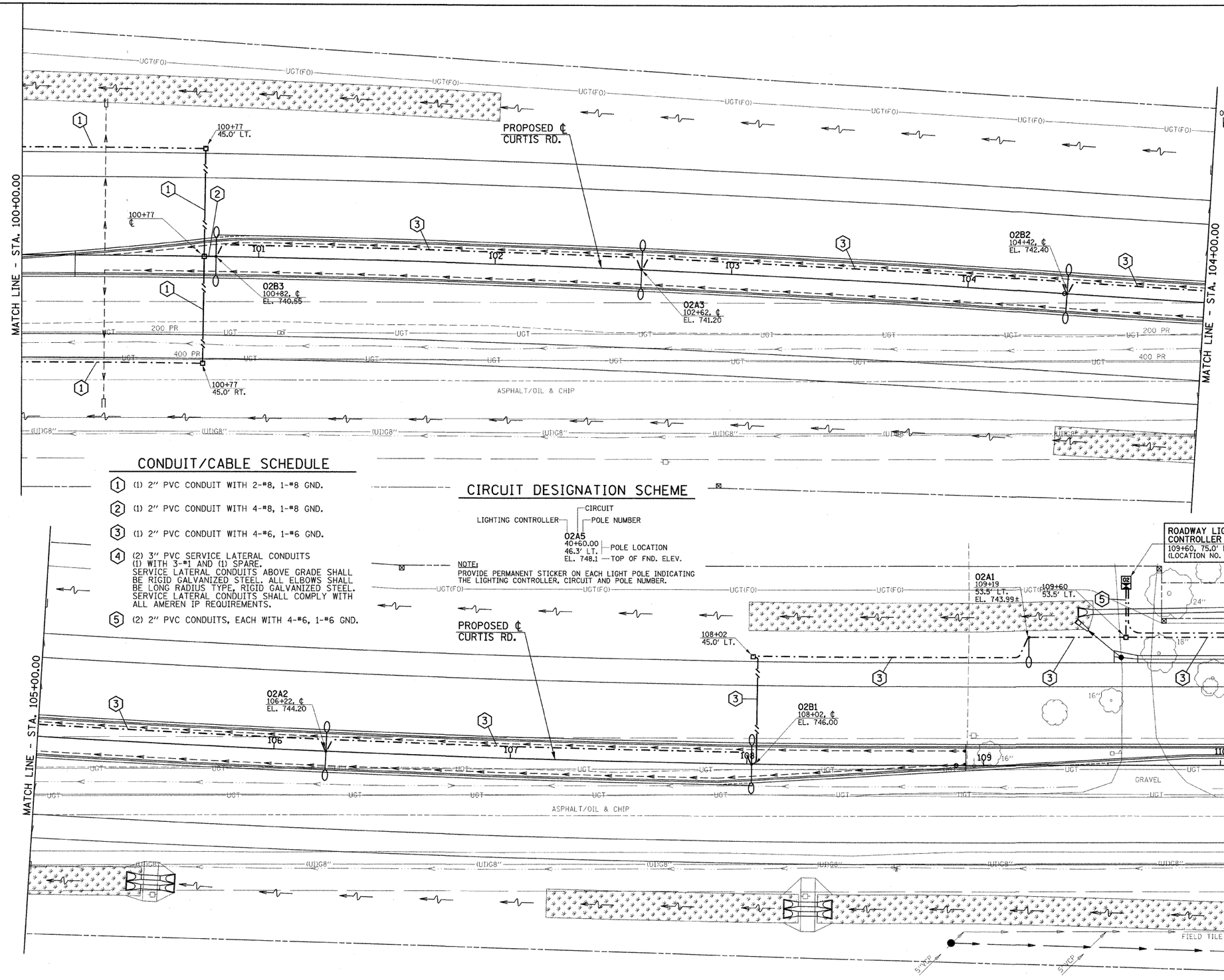
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	140
STA. 100+00.00	TO STA. 111+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(00D)		

CONTRACT NO. 91368



CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND.
2. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
3. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.
4. (2) 3" PVC SERVICE LATERAL CONDUITS (1) WITH 3-#1 AND (1) SPARE. SERVICE LATERAL CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. ALL ELBOWS SHALL BE LONG RADIUS TYPE, RIGID GALVANIZED STEEL. SERVICE LATERAL CONDUITS SHALL COMPLY WITH ALL AMEREN IP REQUIREMENTS.
5. (2) 2" PVC CONDUITS, EACH WITH 4-#6, 1-#6 GND.

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

N

0' 20' 40'
SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

ELECTRIC SERVICE INSTALLATION, SPECIAL (SEE TECHNICAL SPECIFICATIONS)

THE POWER POLE AND ITS EXACT LOCATION WILL BE PROVIDED BY AMERENIP DURING CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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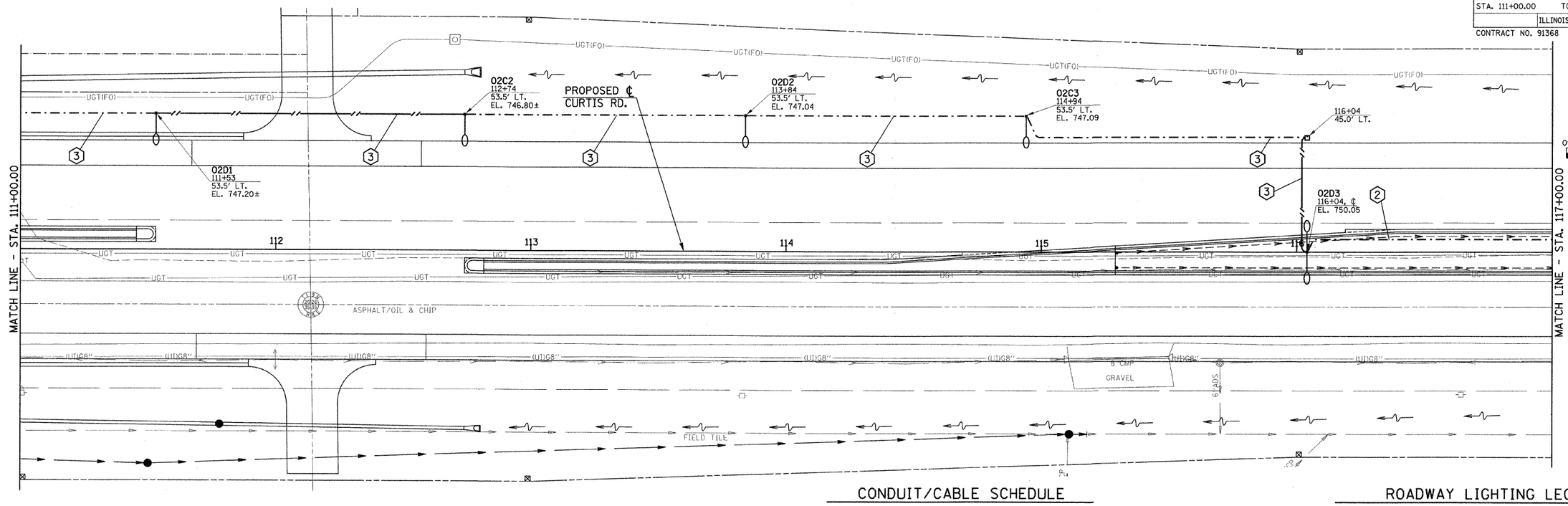
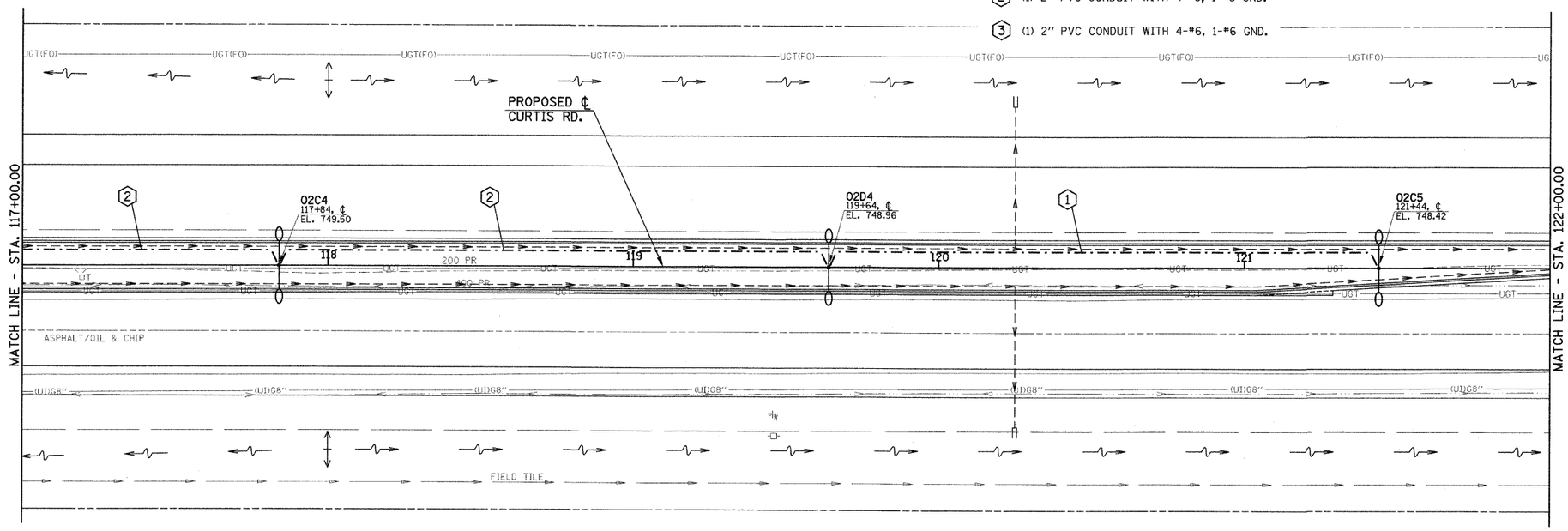
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	141
STA. 111+00.00		TO STA. 122+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND.
2. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
3. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.



ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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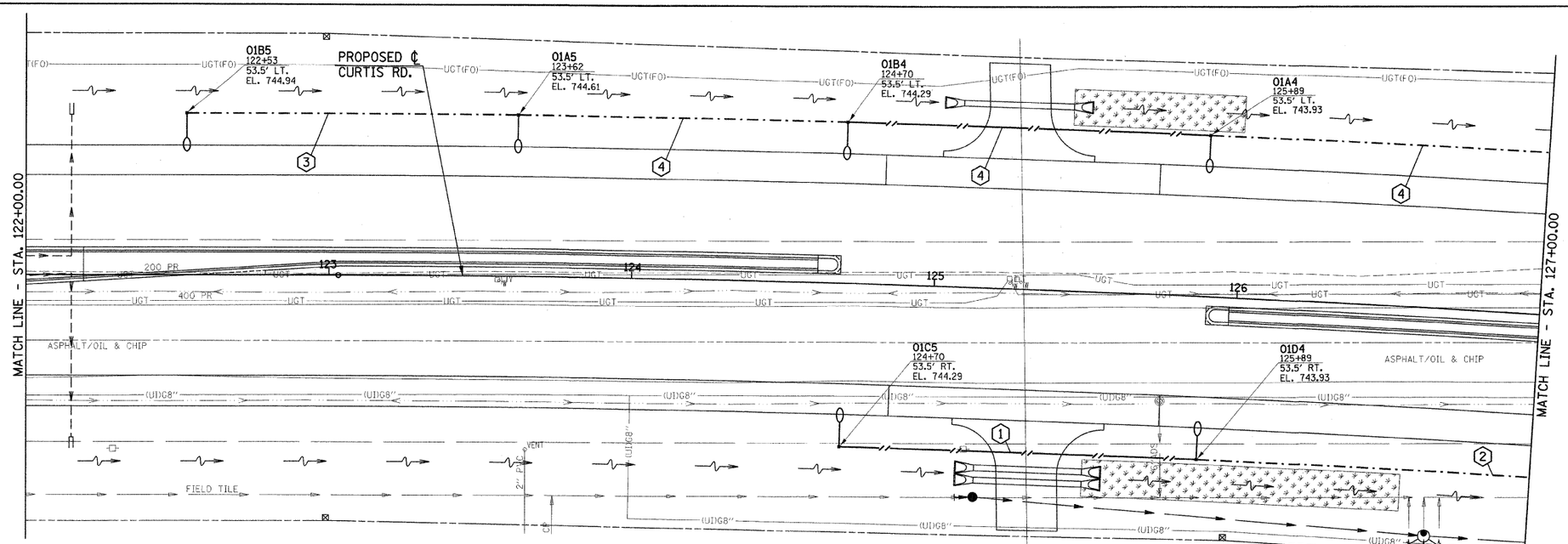
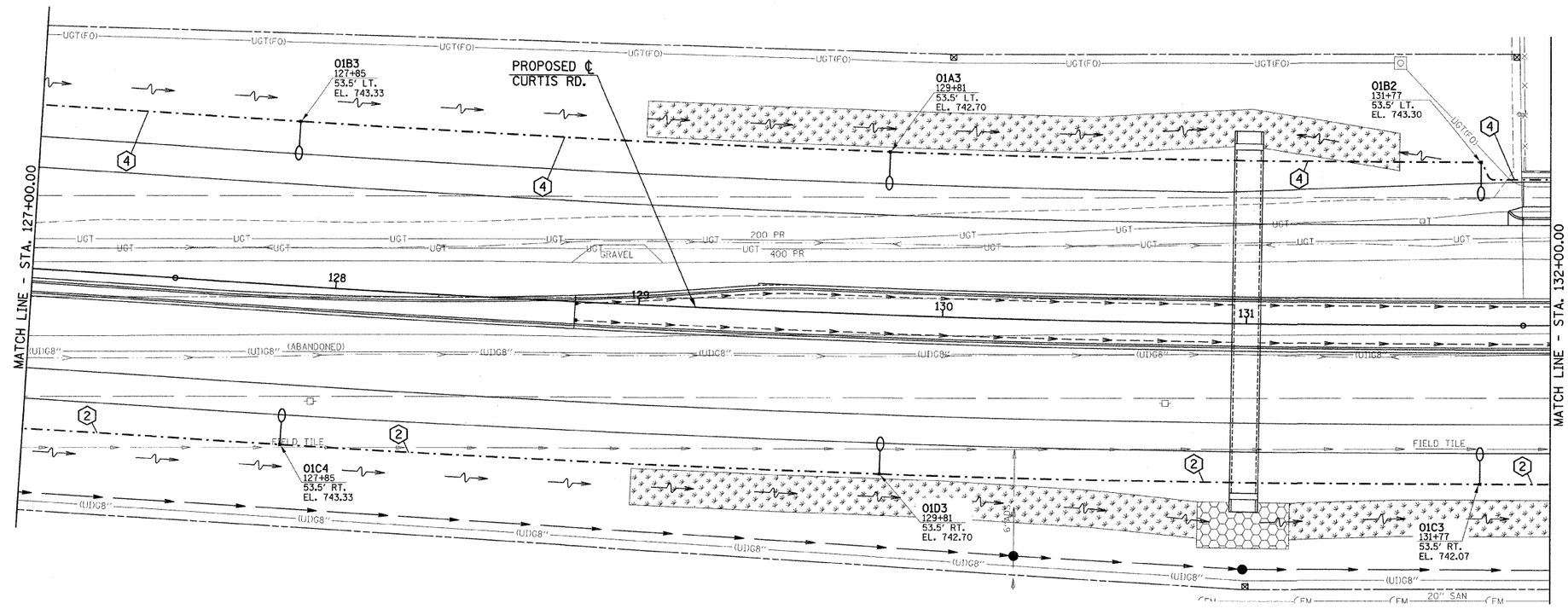
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	142
STA. 122+00.00		TO STA. 132+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368





ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W × 12"L × 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

N

0' 20' 40'

SCALE: 1" = 20'

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT / POLE NUMBER

02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND.
2. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
3. (1) 2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
4. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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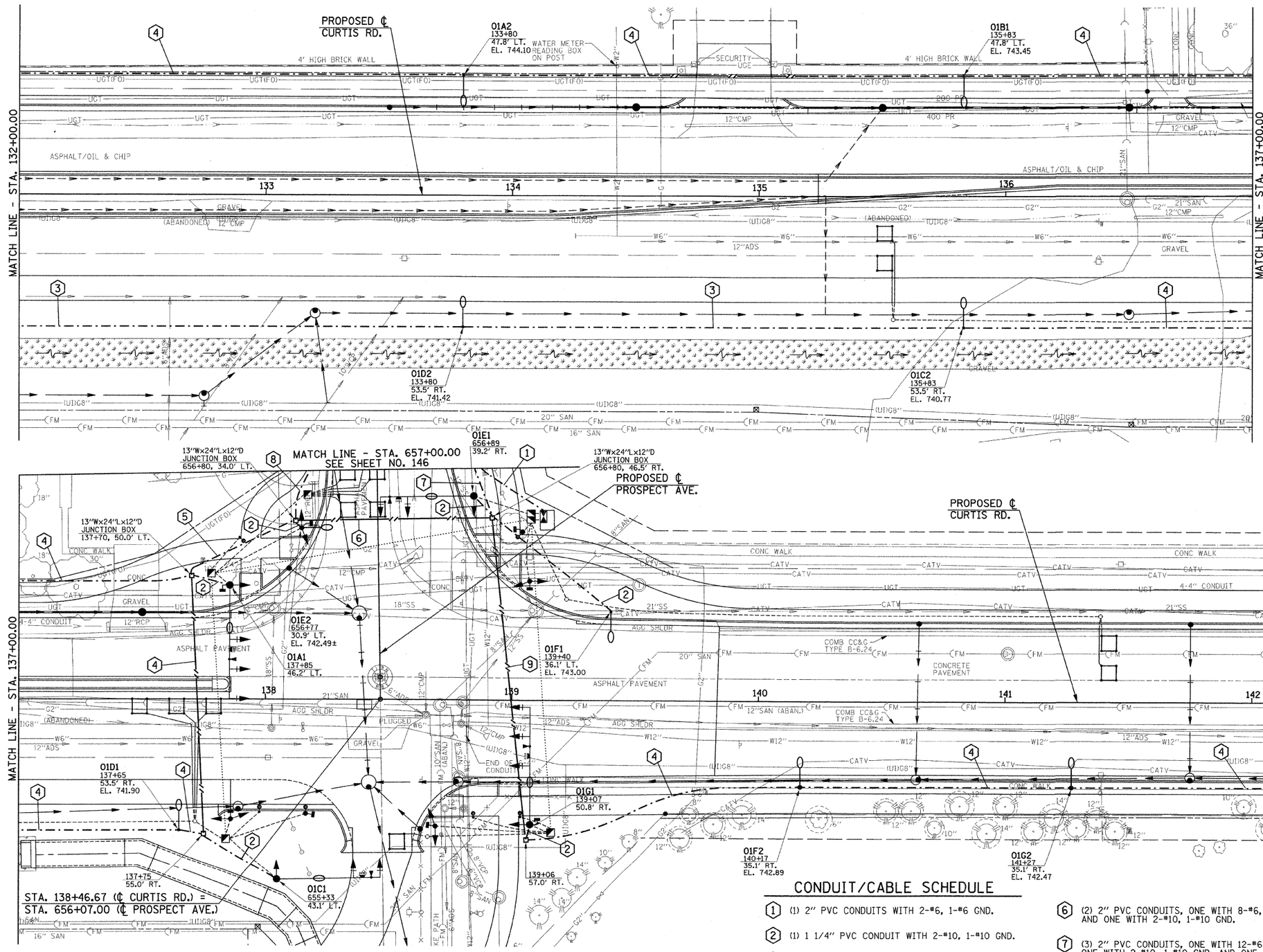
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	143
STA.	132+00.00 656+07.00	TO STA.	143+00.00 667+00.00	
	ILLINOIS	F.A. PROJ. NO.	RS-HPP-1805(00D)	

CONTRACT NO. 91368



ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUITS WITH 2-#6, 1-#6 GND.
2. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
3. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
4. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.
5. (1) 2" PVC CONDUIT WITH WITH 8-#6, 2-#6 GND.
6. (2) 2" PVC CONDUITS, ONE WITH 8-#6, 2-#6 GND. AND ONE WITH 2-#10, 1-#10 GND.
7. (3) 2" PVC CONDUITS, ONE WITH 12-#6, 3-#6 GND. ONE WITH 2-#10, 1-#10 GND. AND ONE SPARE.
8. (1) 2" PVC CONDUIT WITH 2-#10, 1-#10 GND.
9. (2) 2" PVC CONDUITS, ONE WITH 4-#6, 1-#6 GND. AND ONE SPARE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

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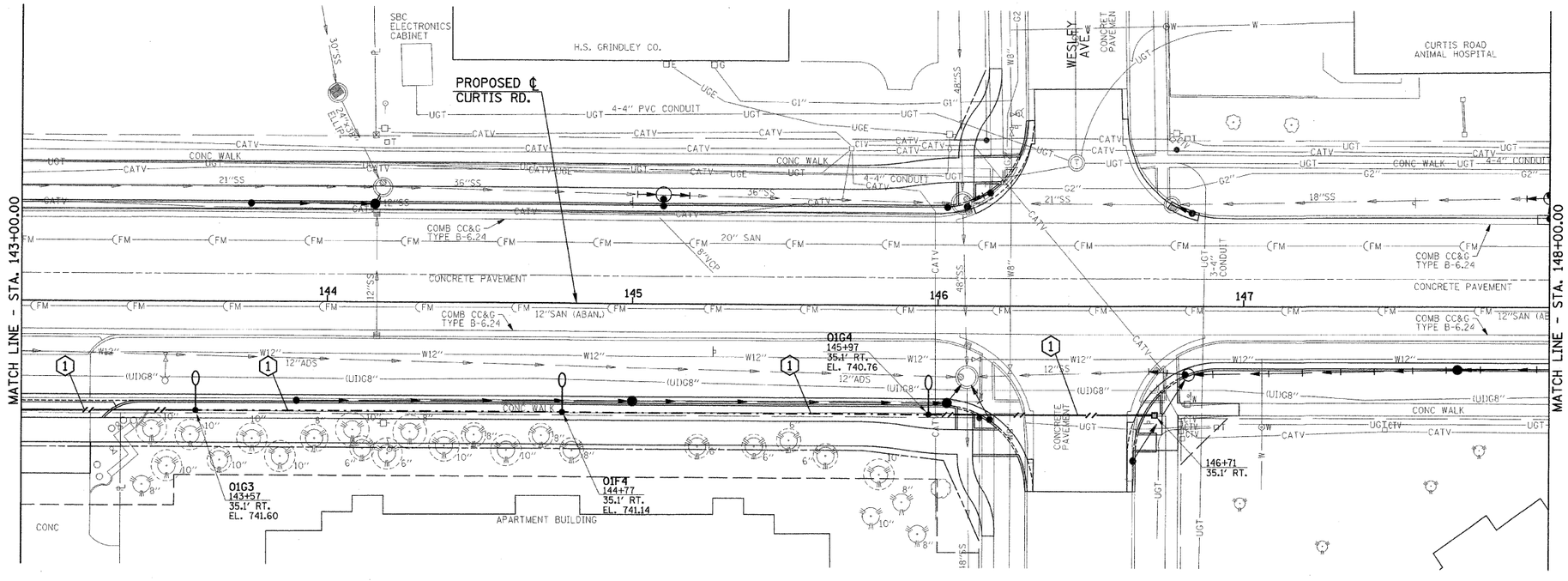
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	144
STA. 143+00.00		TO STA. 154+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT / POLE NUMBER

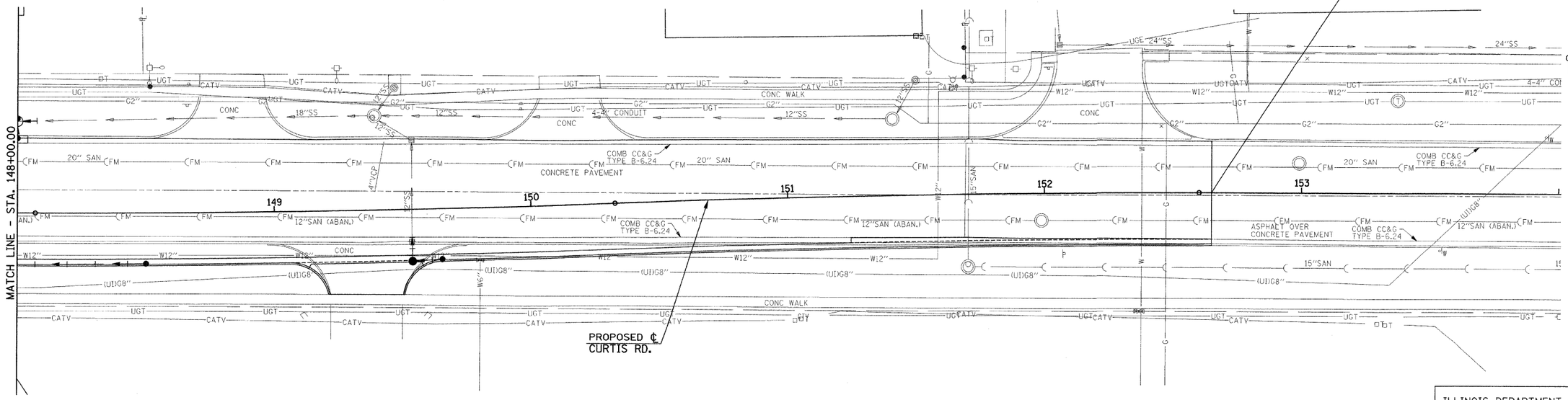
02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

END PROJECT
END IMPROVEMENTS
CURTIS ROAD
STA. 152+65.00

CONDUIT/CABLE SCHEDULE

(1) (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.



N

0' 20' 40'
SCALE: 1" = 20'

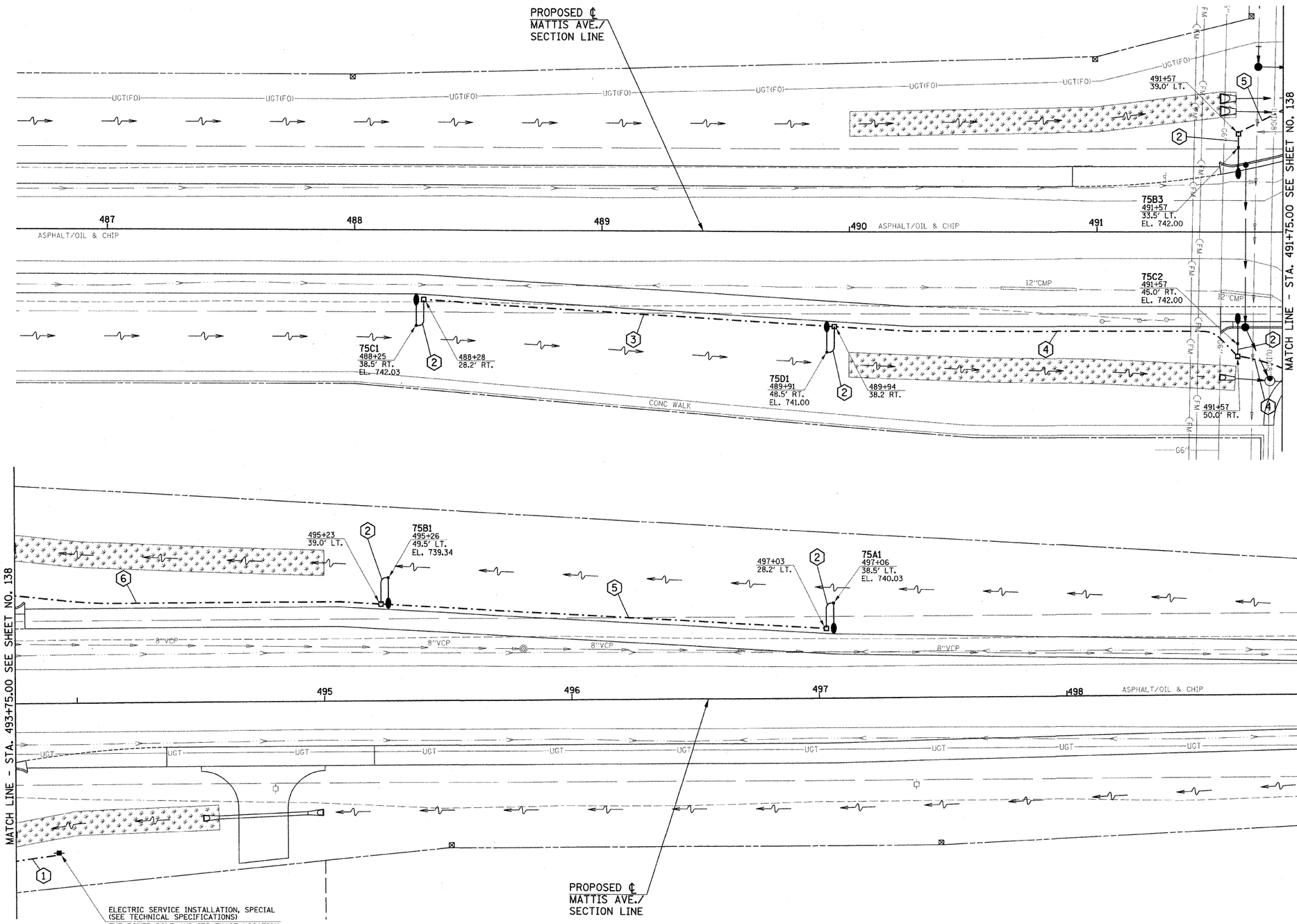
ILLINOIS DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF
SCALE : 1"=20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	145
STA. 487+00.00		TO STA. 499+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



0' 20' 40'

SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

75A7
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

CONDUIT/CABLE SCHEDULE

1. (2) 3" PVC SERVICE LATERAL CONDUITS, ONE WITH 3-#1 AND ONE SPARE. SERVICE LATERAL CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. ALL ELBOWS SHALL BE LONG RADIUS TYPE, RIGID GALVANIZED STEEL. SERVICE LATERAL CONDUITS SHALL COMPLY WITH ALL AMEREN IP REQUIREMENTS.
2. (1) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
3. (1) 2" PVC CONDUIT WITH 2-#8, 1-#8 GND.
4. (1) 2" PVC CONDUIT WITH 4-#8, 1-#8 GND.
5. (1) 2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
6. (1) 2" PVC CONDUIT WITH 4-#6, 1-#6 GND.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE ROADWAY LIGHTING PLANS

SCALE : 1"=20'

DATE : 10-08
DRAWN BY : JRM/JAJ
CHECKED BY : JJF

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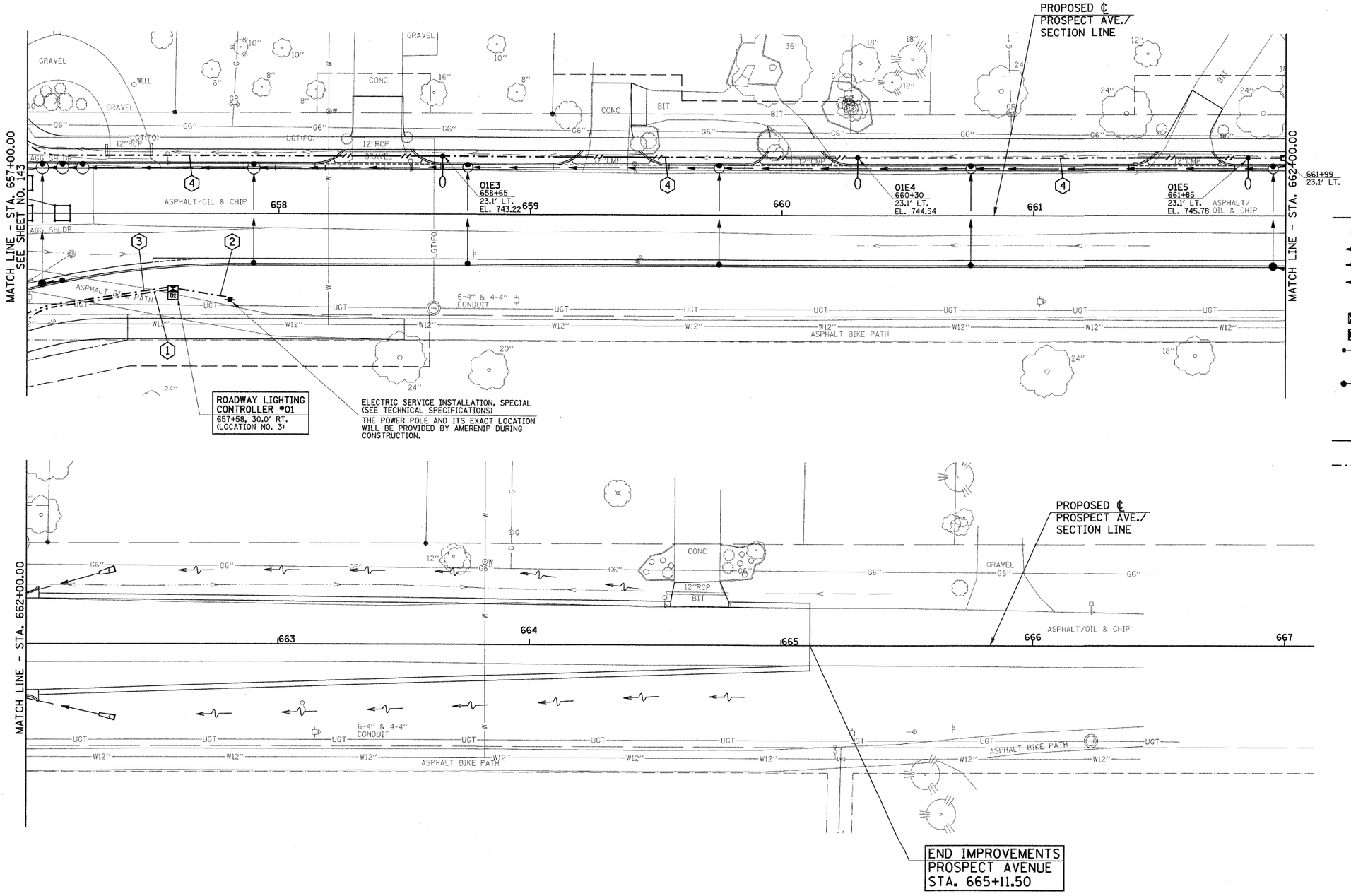
10/2/2008 9:25:54 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	146
STA. 657+00.00		TO STA. 667+00.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



N

0' 20' 40'

SCALE: 1" = 20'

ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 35' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' MAST ARM MOUNTED ON 35' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

CIRCUIT DESIGNATION SCHEME

LIGHTING CONTROLLER — CIRCUIT — POLE NUMBER

02A5
40+60.00 — POLE LOCATION
46.3' LT.
EL. 748.1 — TOP OF FND. ELEV.

NOTE:
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

CONDUIT/CABLE SCHEDULE

1. (1) 2" PVC CONDUITS WITH 2-#6, 1-#6 GND.
2. (2) 3" PVC SERVICE LATERAL CONDUITS (1) WITH 3-#1 AND (1) SPARE. SERVICE LATERAL CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. ALL ELBOWS SHALL BE LONG RADIUS TYPE, RIGID GALVANIZED STEEL. SERVICE LATERAL CONDUITS SHALL COMPLY WITH ALL AMEREN IP REQUIREMENTS.
3. (3) 2" PVC CONDUITS, ONE WITH 12-#6, 3-#6 GND. ONE WITH 2-#10, 1-#10 GND. AND ONE SPARE.
4. (1) 2" PVC CONDUIT WITH 2-#10, 1-#10 GND.

ILLINOIS DEPARTMENT OF TRANSPORTATION

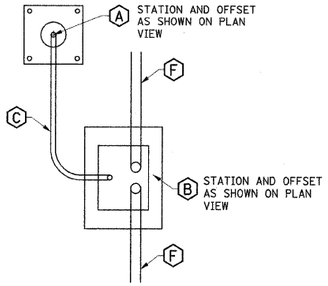
PROSPECT AVENUE
ROADWAY LIGHTING PLANS

DATE : 10-08
DRAWN BY : RJS/JAJ
CHECKED BY : JJF

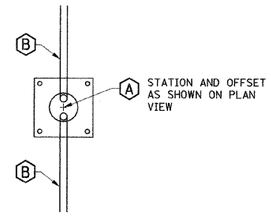
SCALE : 1"=20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	147
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



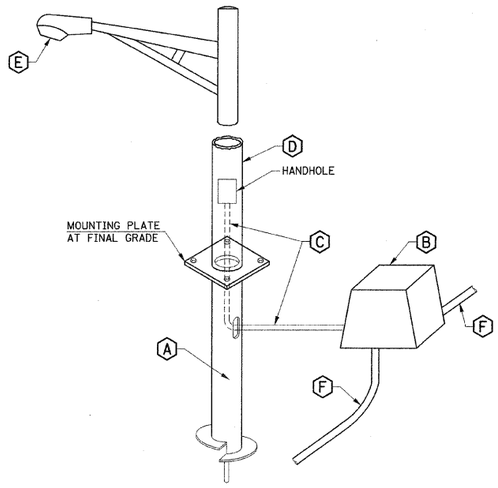
FOUNDATION/HANDHOLE DETAIL (CHAMPAIGN)
NO SCALE



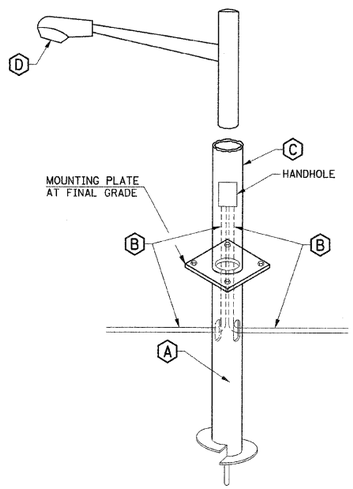
FOUNDATION DETAIL (SAVOY)
NO SCALE

SUMMARY OF ROADWAY LIGHTING QUANTITIES

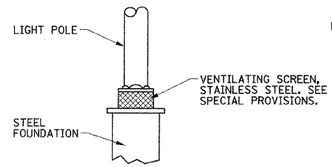
CODE NO.	ITEM	UNIT	QUANTITY	CHAMPAIGN	SAVOY
80400105	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	3	1	2
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	927	758	169
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	13903	7387	6516
81021550	CONDUIT AUGERED, 2" DIA., PVC	FOOT	2292	683	1609
81306500	REMOVE EXISTING JUNCTION BOX	EACH	2	2	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	7425	4500	2925
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	23300	13375	9925
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	45200	17500	27700
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	7950	7950	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3301	596	2705
81900300	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	10575	7068	3507
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	58		58
83007300	LIGHT POLE, ALUMINUM, 35 FT. M.H., 8 FT. MAST ARM	EACH	36		36
83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	43	43	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	96	16	80
83600405	POLE FOUNDATION, STEEL	EACH	78	43	35
84200805	POLE FOUNDATION REMOVED, METAL	EACH	2	2	
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	2	
X8250011	LIGHTING CONTROLLER, LOCATION NO. 1	L SUM	1	1	
X8250012	LIGHTING CONTROLLER, LOCATION NO. 2	L SUM	1		1
X8250013	LIGHTING CONTROLLER, LOCATION NO. 3	L SUM	1		1
	JUNCTION BOX, SPECIAL (12"W x 12"L x 12"D)	EACH	53	43	10
	JUNCTION BOX, SPECIAL (13"W x 24"L x 12"D)	EACH	7	4	3
	LIGHT POLE, ALUMINUM, 35 FT. M.H., 2-8 FT. MAST ARMS	EACH	9		9
	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT, SPECIAL	EACH	45	45	
	ROADWAY LIGHTING CONDUIT REMOVAL	FOOT	351	351	



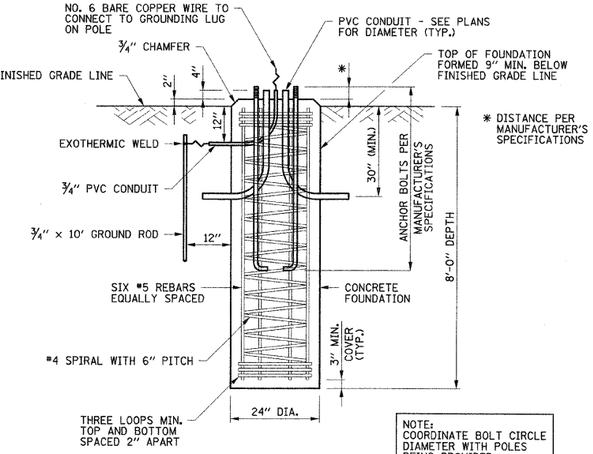
POLE/LUMINAIRE INSTALLATION DETAIL (CHAMPAIGN)
NO SCALE



POLE/LUMINAIRE INSTALLATION DETAIL (SAVOY)
NO SCALE



POLE/FOUNDATION DETAIL
NO SCALE



NOTE:
COORDINATE BOLT CIRCLE DIAMETER WITH POLES BEING PROVIDED.

LIGHT POLE CONCRETE FOUNDATION DETAIL
NO SCALE

NOTE
THE CONTRACTOR SHALL USE CARE IN CONSTRUCTING THE CONCRETE FOUNDATIONS FOR THE STREET LIGHTS THAT ARE NEAR TRENCH EXCAVATIONS FOR BOX CULVERTS OR STORM SEWERS. THE TRENCH BACKFILL, SPECIAL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT AT THE CONCRETE FOUNDATION LOCATIONS TO ALLOW FOR THEIR LATER CONSTRUCTION.

ELECTRICAL KEYNOTES (CHAMPAIGN DETAILS ON THIS SHEET)

(A) STEEL FOUNDATION - 8' LONG, 8 5/8" DIAMETER WITH THREADED HOLES FOR 1" BOLTS OR STUDS. A.B. CHANCE SA112-0567 OR APPROVED EQUAL. COORDINATE BOLT CIRCLE DIAMETER WITH POLES BEING PROVIDED.

(B) CDR 12"W x 12"L x 12"D (UNLESS OTHERWISE INDICATED IN THE PLANS) FLARED WALL BOX WITH HEAVY DUTY COVER CAT.# PA22-1212-12-0062 OR APPROVED EQUAL.

(C) 1 1/4" SCHEDULE 40 PVC FROM JUNCTION BOX TO 6" ABOVE BASE WITH 2 #10, 1 #10 GND. TO LUMINAIRE. PROVIDE A TWO POLE FUSEHOLDER WITH FUSES PER IDOT STANDARD SPECIFICATION 1065.01. PROVIDE A SURGE PROTECTOR AT THE LOAD SIDE OF THE FUSE HOLDER PER IDOT STANDARD SPECIFICATION 1065.02.

(D) VALMONT ROUND TAPERED 4-BOLT ANCHOR BASE ALUMINUM POLE WITH CLAMP-ON TRUSS ARM, 40' MOUNTING HEIGHT, 10" BASE DIAMETER, 6" TOP DIAMETER, 0.250" WALL THICKNESS, 14-1/4" DIA. TO 15" DIA. BOLT CIRCLE, SINGLE TRUSS ARM WITH 8' SPAN AND 34" RISE. VALMONT NOS. 3708-60108T4A AND 1TA-0834C60ZA, BLACK, OR APPROVED EQUAL.

(E) 250 WATT, HIGH PRESSURE SODIUM LUMINAIRE, FULL CUT-OFF, M-C-III DISTRIBUTION. GE CATALOG NO. MDCA-25-S-O-M-1-2-F-MC3-1-549, BLACK, OR APPROVED EQUAL. LAMP PER IDOT STANDARD SPECIFICATION 1067.02.

(F) CONDUIT TO ADJACENT HANDHOLE OR 12" STUB FOR FUTURE EXTENSION OF LIGHTING CIRCUIT.

ELECTRICAL KEYNOTES (SAVOY DETAILS ON THIS SHEET)

(A) STEEL FOUNDATION - 8' LONG, 8 5/8" DIAMETER WITH THREADED HOLES FOR 1" BOLTS OR STUDS. A.B. CHANCE SA112-0567 OR APPROVED EQUAL. COORDINATE BOLT CIRCLE DIAMETER WITH POLES BEING PROVIDED.

(B) CONDUIT TO ADJACENT FOUNDATION OR 12" STUB FOR FUTURE EXTENSION OF LIGHTING CIRCUIT.

(C) VALMONT ROUND TAPERED 4-BOLT ANCHOR BASE ALUMINUM POLE WITH CLAMP-ON MAST ARM, 35' MOUNTING HEIGHT, 10" BASE DIAMETER, 6" TOP DIAMETER, 0.250" WALL THICKNESS, 14-1/4" DIA. TO 15" DIA. BOLT CIRCLE, SINGLE MAST ARM WITH 8' SPAN AND 32" RISE. VALMONT NOS. 3408-60108T4-DNA AND MA-0832S-DNA, OR APPROVED EQUAL.

(D) 250 WATT, HIGH PRESSURE SODIUM LUMINAIRE, FULL CUT-OFF, M-C-III DISTRIBUTION. AEL CATALOG NO. 30-25S-RH-240-R3-FG, OR APPROVED EQUAL. LAMP PER IDOT STANDARD SPECIFICATION 1067.02.

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 10-08
DRAWN BY : JAJ
CHECKED BY : JJF
SCALE : NONE

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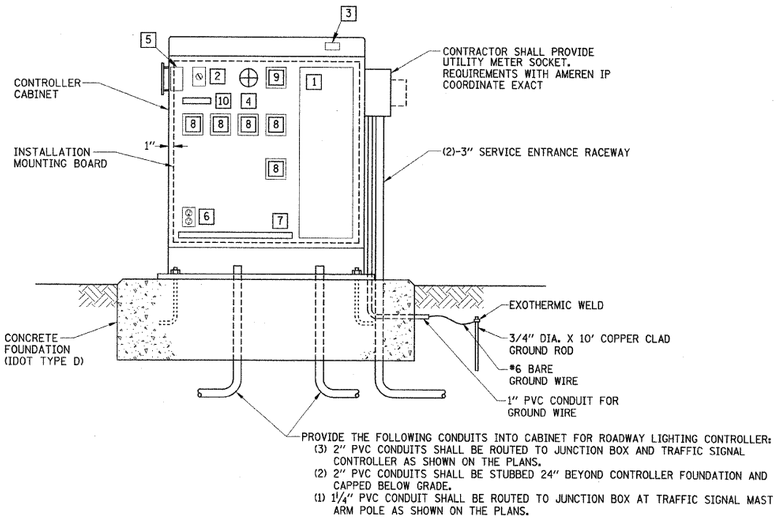
10/2/2008 9:25:56 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	148
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

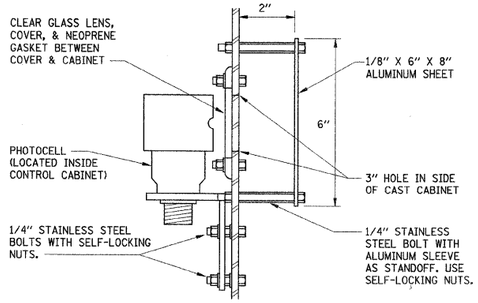


PROVIDE THE FOLLOWING CONDUITS INTO CABINET FOR ROADWAY LIGHTING CONTROLLER:
(3) 2" PVC CONDUITS SHALL BE ROUTED TO JUNCTION BOX AND TRAFFIC SIGNAL CONTROLLER AS SHOWN ON THE PLANS.
(2) 2" PVC CONDUITS SHALL BE STUBBED 24" BEYOND CONTROLLER FOUNDATION AND CAPPED BELOW GRADE.
(1) 1¼" PVC CONDUIT SHALL BE ROUTED TO JUNCTION BOX AT TRAFFIC SIGNAL MAST ARM POLE AS SHOWN ON THE PLANS.

CONTROL CABINET, FOUNDATION AND DIAGRAMMATIC ASSEMBLY DETAIL LIGHTING CONTROLLER #75

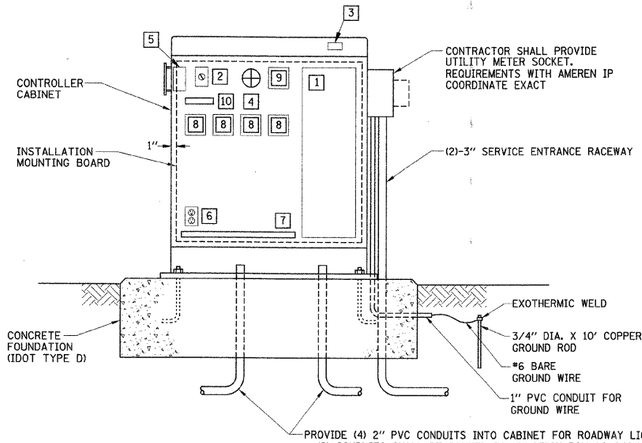
NO SCALE

LIGHTING CONTROLLER #75 BILL OF MATERIALS		
QTY	ITEM	DESCRIPTION
1	1	100A, 120/240V, 1Ø, 30 CIRCUIT PANELBOARD (INTERIOR ONLY, NO PANEL TUB), QUANTITY OF BREAKERS AS SHOWN IN PANELBOARD SCHEDULE
1	2	HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE.
1	3	120 VAC, 20A, 1P PLUNGERTYPE SWITCH FOR CONTROLLER LIGHT, DOOR ACTIVATED
1	4	INCANDESCENT LIGHT FIXTURE WITH CLEAR GLOBE AND PROTECTIVE GUARD. PROVIDE 60WATT, 130VAC LAMP.
1	5	PHOTOCELL SWITCH WITH LOCKING TYPE RECEPTACLE AND INTEGRAL SURGE ARRESTORS. PHOTOCELL SHALL BE CABINET MOUNTED AND SHIELDED FROM SURROUNDING LIGHT SOURCES, WITH TIME DELAY RELAY TO PREVENT NUISANCE SWITCHING. (SEE PHOTOCELL DETAIL).
1	6	DUPLEX RECEPTACLE, 120VAC, 20A, GFCI TYPE.
1	7	TERMINAL STRIPS. QUANTITY AS REQUIRED FOR INCOMING WIRING PLUS 100% SPARE TERMINALS. PROVIDE SEPARATE TERMINAL STRIPS FOR POWER, NEUTRAL AND GROUND WIRING AS REQUIRED.
5	8	LIGHTING CONTACTOR, 30A, 240VAC, 2 POLE, 120VAC ELECTRICALLY HELD COIL. PROVIDE SPACE FOR ADDITIONAL CONTACTORS.
1	9	SURGE ARRESTOR
1	10	CONTROL WIRING TERMINAL BLOCK



PHOTOCELL DETAIL ALL LIGHTING CONTROLLERS

NO SCALE

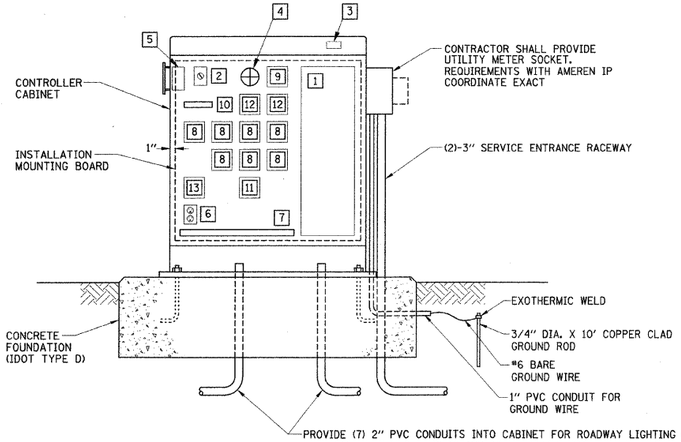


PROVIDE (4) 2" PVC CONDUITS INTO CABINET FOR ROADWAY LIGHTING CONTROLLER:
(2) CONDUITS SHALL BE ROUTED TO JUNCTION BOX AS SHOWN ON THE PLANS.
(2) CONDUITS SHALL BE STUBBED 24" BEYOND CONTROLLER FOUNDATION AND CAPPED BELOW GRADE.

CONTROL CABINET, FOUNDATION AND DIAGRAMMATIC ASSEMBLY DETAIL LIGHTING CONTROLLER #02

NO SCALE

LIGHTING CONTROLLER #02 BILL OF MATERIALS		
QTY	ITEM	DESCRIPTION
1	1	100A, 120/240V, 1Ø, 30 CIRCUIT PANELBOARD (INTERIOR ONLY, NO PANEL TUB), QUANTITY OF BREAKERS AS SHOWN IN PANELBOARD SCHEDULE
1	2	HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE.
1	3	120 VAC, 20A, 1P PLUNGERTYPE SWITCH FOR CONTROLLER LIGHT, DOOR ACTIVATED
1	4	INCANDESCENT LIGHT FIXTURE WITH CLEAR GLOBE AND PROTECTIVE GUARD. PROVIDE 60WATT, 130VAC LAMP.
1	5	PHOTOCELL SWITCH WITH LOCKING TYPE RECEPTACLE AND INTEGRAL SURGE ARRESTORS. PHOTOCELL SHALL BE CABINET MOUNTED AND SHIELDED FROM SURROUNDING LIGHT SOURCES, WITH TIME DELAY RELAY TO PREVENT NUISANCE SWITCHING. (SEE PHOTOCELL DETAIL).
1	6	DUPLEX RECEPTACLE, 120VAC, 20A, GFCI TYPE.
1	7	TERMINAL STRIPS. QUANTITY AS REQUIRED FOR INCOMING WIRING PLUS 100% SPARE TERMINALS. PROVIDE SEPARATE TERMINAL STRIPS FOR POWER, NEUTRAL AND GROUND WIRING AS REQUIRED.
4	8	LIGHTING CONTACTOR, 30A, 240VAC, 2 POLE, 120VAC ELECTRICALLY HELD COIL. PROVIDE SPACE FOR ADDITIONAL CONTACTORS.
1	9	SURGE ARRESTOR
1	10	CONTROL WIRING TERMINAL BLOCK



PROVIDE (7) 2" PVC CONDUITS INTO CABINET FOR ROADWAY LIGHTING CONTROLLER:
(4) CONDUITS SHALL BE ROUTED TO JUNCTION BOX AND TRAFFIC SIGNAL CONTROLLER AS SHOWN ON THE PLANS.
(2) CONDUITS SHALL BE STUBBED 24" BEYOND CONTROLLER FOUNDATION AND CAPPED BELOW GRADE.
(1) CONDUIT SHALL BE STUBBED 24" BEYOND CONTROLLER FOUNDATION FOR USE BY THE TELEPHONE COMPANY.

CONTROL CABINET, FOUNDATION AND DIAGRAMMATIC ASSEMBLY DETAIL LIGHTING CONTROLLER #01

NO SCALE

LIGHTING CONTROLLER #01 BILL OF MATERIALS		
QTY	ITEM	DESCRIPTION
1	1	100A, 120/240V, 1Ø, 30 CIRCUIT PANELBOARD (INTERIOR ONLY, NO PANEL TUB), QUANTITY OF BREAKERS AS SHOWN IN PANELBOARD SCHEDULE
1	2	HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE.
1	3	120 VAC, 20A, 1P PLUNGERTYPE SWITCH FOR CONTROLLER LIGHT, DOOR ACTIVATED
1	4	INCANDESCENT LIGHT FIXTURE WITH CLEAR GLOBE AND PROTECTIVE GUARD. PROVIDE 60WATT, 130VAC LAMP.
1	5	PHOTOCELL SWITCH WITH LOCKING TYPE RECEPTACLE AND INTEGRAL SURGE ARRESTORS. PHOTOCELL SHALL BE CABINET MOUNTED AND SHIELDED FROM SURROUNDING LIGHT SOURCES, WITH TIME DELAY RELAY TO PREVENT NUISANCE SWITCHING. (SEE PHOTOCELL DETAIL).
1	6	DUPLEX RECEPTACLE, 120VAC, 20A, GFCI TYPE.
1	7	TERMINAL STRIPS. QUANTITY AS REQUIRED FOR INCOMING WIRING PLUS 100% SPARE TERMINALS. PROVIDE SEPARATE TERMINAL STRIPS FOR POWER, NEUTRAL AND GROUND WIRING AS REQUIRED.
7	8	LIGHTING CONTACTOR, 30A, 240VAC, 2 POLE, 120VAC ELECTRICALLY HELD COIL. PROVIDE SPACE FOR ADDITIONAL CONTACTORS.
1	9	SURGE ARRESTOR
1	10	CONTROL WIRING TERMINAL BLOCK
1	11	AUTO DIALER WITH BATTERY BACKUP TO CALL OUT AS REQUIRED UPON LOSS OF POWER.
2	12	PHASE DETECTION RELAY. ONE RELAY SHALL MONITOR MAIN INCOMING POWER, AND THE OTHER SHALL MONITOR THE POWER TO THE TRAFFIC SIGNAL CONTROLLER ON THE LOAD SIDE OF THE BREAKER FEEDING THE TRAFFIC SIGNAL CONTROLLER.
1	13	SPACE FOR MOUNTING TELEPHONE COMPANY'S INTERFACE BOX

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 10-08
DRAWN BY : JAJ
CHECKED BY : JJF
SCALE : NONE

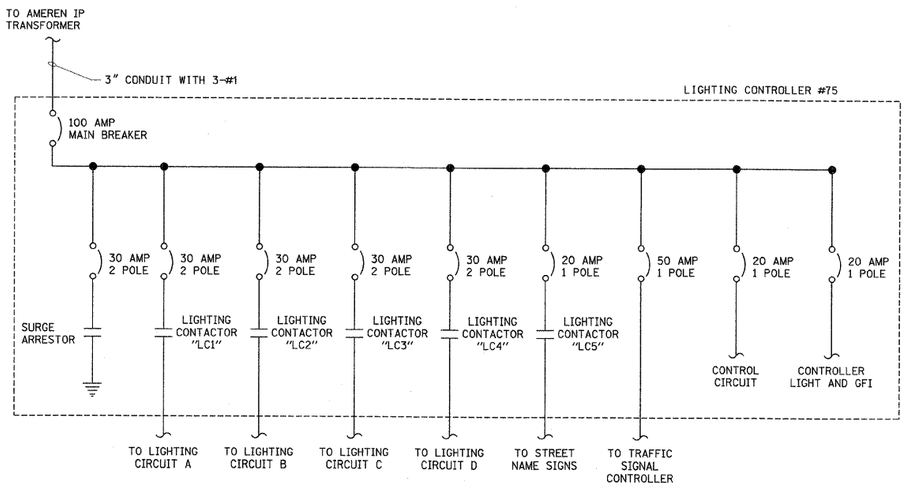
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	149
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

LIGHTING CONTROLLER #75 PANELBOARD SCHEDULE

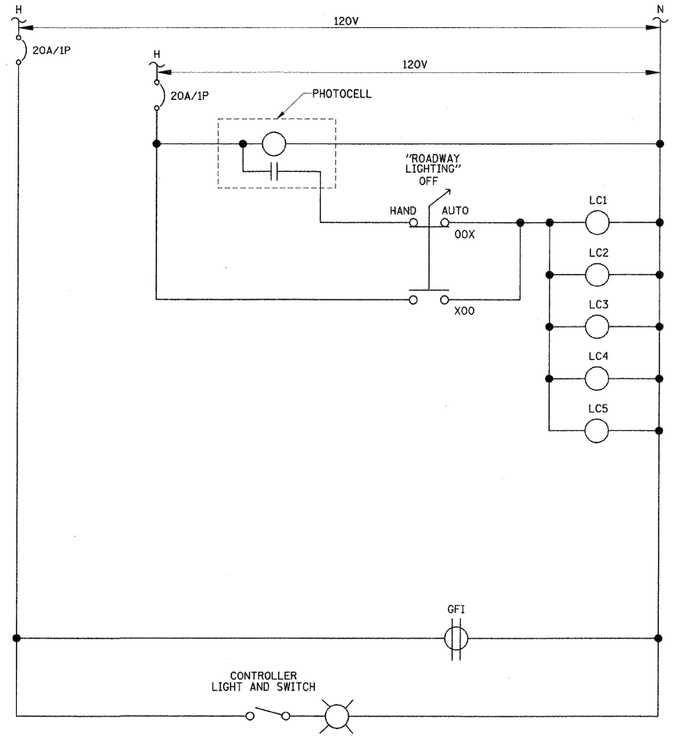
PANELBOARD LIGHTING — MAINS 100 AMPS — LOCATION: MATTIS AVENUE STATION 493+67
VOLTAGE 120/240 — BUS RATING 100 AMPS
PHASE/WIRE 1PH/3W — MOUNTING INTERIOR ONLY

DESCRIPTION	CKT. NO.	LOAD (VA) A	LOAD (VA) B	AMPS/ POLES	CKT. BKR.	CKT. BKR.	AMPS/ POLES	LOAD (VA) A	LOAD (VA) B	CKT. NO.	DESCRIPTION
SURGE ARRESTOR	1	0		30/2			30/2	1500		2	STREET LIGHTING CIRCUIT B
	3		0						1500	4	
STREET LIGHTING CIRCUIT A	5	1500		30/2			30/2	1200		6	STREET LIGHTING CIRCUIT D
	7		1500						1200	8	
STREET LIGHTING CIRCUIT C	9	1200		30/2			20/1	300		10	STREET NAME SIGNS
	11		1200				20/1		500	12	CONTROL CIRCUIT
TRAFFIC SIGNAL CONTROLLER	13	3000		50/1			20/1	280		14	CONTROLLER LIGHT & GFI
SPACE	15		0						0	16	SPACE
SPACE	17	0						0		18	SPACE
SPACE	19		0						0	20	SPACE
SPACE	21	0						0		22	SPACE
SPACE	23		0						0	24	SPACE
SPACE	25	0						0		26	SPACE
SPACE	27		0						0	28	SPACE
SPACE	29	0						0		30	SPACE
SUBTOTAL "A"		5700						3280			
SUBTOTAL "B"			2700						3200		
TOTAL VOLT-AMPERES A & B: 14,880 VA											



LIGHTING CONTROLLER #75 ELECTRICAL ONE-LINE DIAGRAM

NO SCALE



NOTE:
GROUND WIRE NOT SHOWN FOR CLARITY. CONTRACTOR SHALL GROUND ALL EQUIPMENT IN THE LIGHTING CONTROL CABINET AS REQUIRED BY THE 2005 NATIONAL ELECTRICAL CODE.

LIGHTING CONTROLLER #75 CONTROL DIAGRAM

NO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 10-08
DRAWN BY : JAJ
CHECKED BY : JJF
SCALE : NONE

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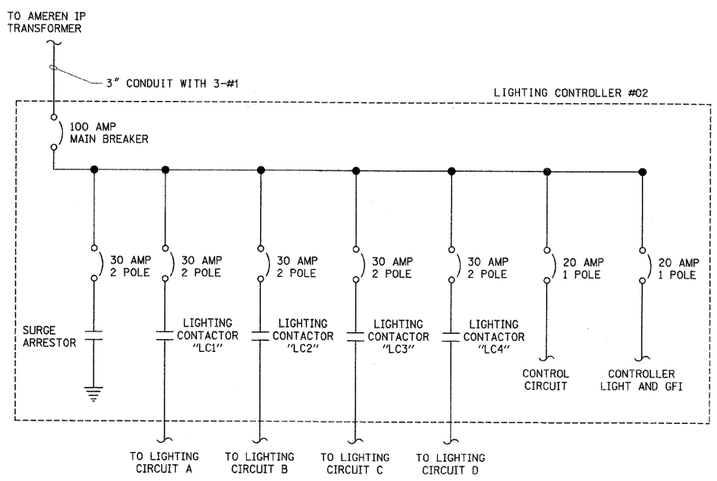
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	150
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

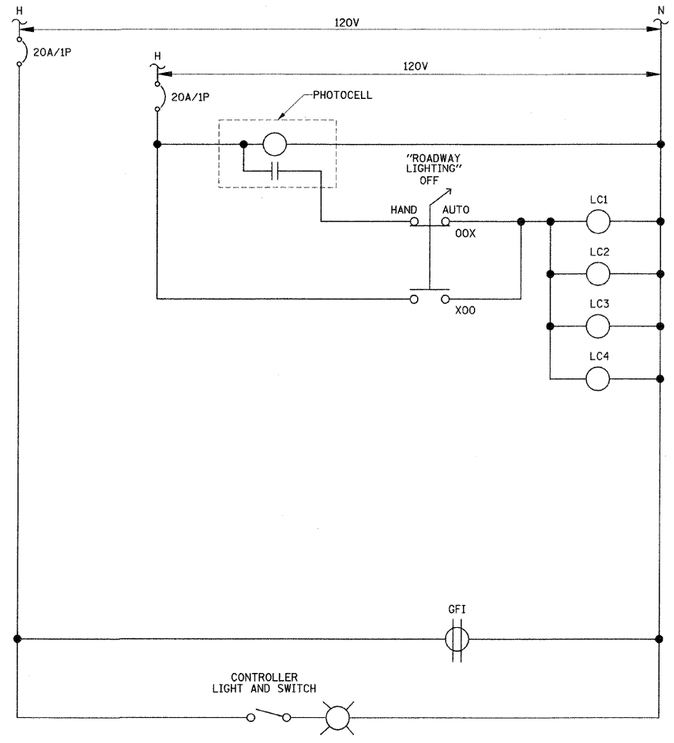
LIGHTING CONTROLLER #02 PANELBOARD SCHEDULE

PANELBOARD LIGHTING — MAINS 100 AMPS — LOCATION: CURTIS ROAD STATION 109+60
VOLTAGE 120/240 — BUS RATING 100 AMPS
PHASE/WIRE 1PH/3W — MOUNTING INTERIOR ONLY

DESCRIPTION	CKT. NO.	LOAD (VA) A	LOAD (VA) B	AMPS/ POLES	CKT. BKR.	CKT. BKR.	AMPS/ POLES	LOAD (VA) A	LOAD (VA) B	CKT. NO.	DESCRIPTION
SURGE ARRESTOR	1	0		30/2			30/2	1050		2	STREET LIGHTING CIRCUIT B
	3		0						1050	4	
STREET LIGHTING CIRCUIT A	5	900		30/2			30/2	900		6	STREET LIGHTING CIRCUIT D
	7		900						900	8	
STREET LIGHTING CIRCUIT C	9	1050		30/2			20/1	280		10	CONTROLLER LIGHT & GFI
	11		1050				20/1		500	12	CONTROL CIRCUIT
SPACE	13	0						0		14	SPACE
SPACE	15		0						0	16	SPACE
SPACE	17	0						0		18	SPACE
SPACE	19		0						0	20	SPACE
SPACE	21	0						0		22	SPACE
SPACE	23		0						0	24	SPACE
SPACE	25	0						0		26	SPACE
SPACE	27		0						0	28	SPACE
SPACE	29	0						0		30	SPACE
SUBTOTAL "A"		1950						2230			
SUBTOTAL "B"			1950						2450		
TOTAL VOLT-AMPERES A & B: 8580 VA											



LIGHTING CONTROLLER #02 ELECTRICAL ONE-LINE DIAGRAM
NO SCALE



NOTE:
GROUND WIRE NOT SHOWN FOR CLARITY. CONTRACTOR SHALL GROUND ALL EQUIPMENT IN THE LIGHTING CONTROL CABINET AS REQUIRED BY THE 2005 NATIONAL ELECTRICAL CODE.

LIGHTING CONTROLLER #02 CONTROL DIAGRAM
NO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 10-08
DRAWN BY : JAJ
CHECKED BY : JJF
SCALE : NONE

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10/2/2008 9:25:58 AM

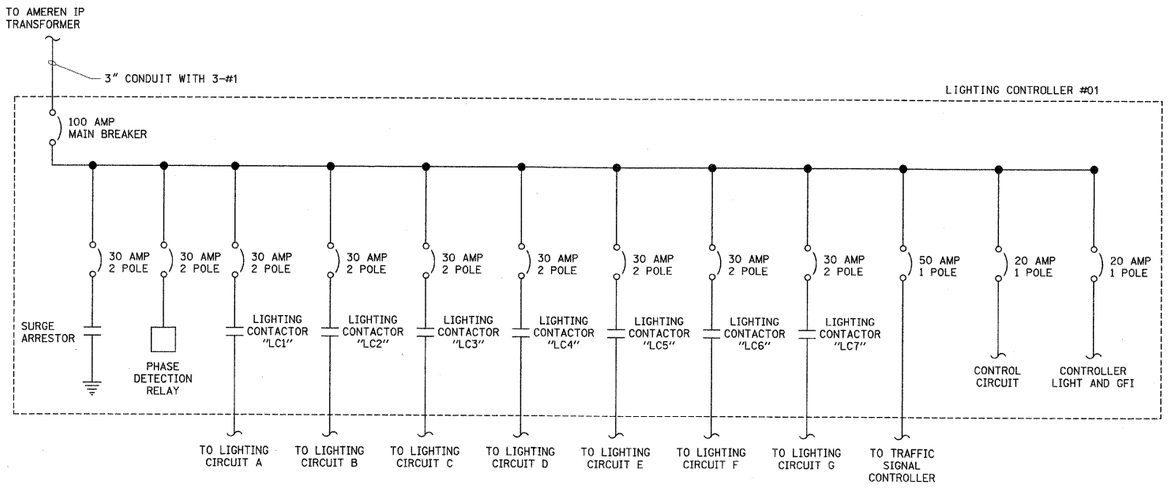
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	151
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

LIGHTING CONTROLLER #01 PANELBOARD SCHEDULE

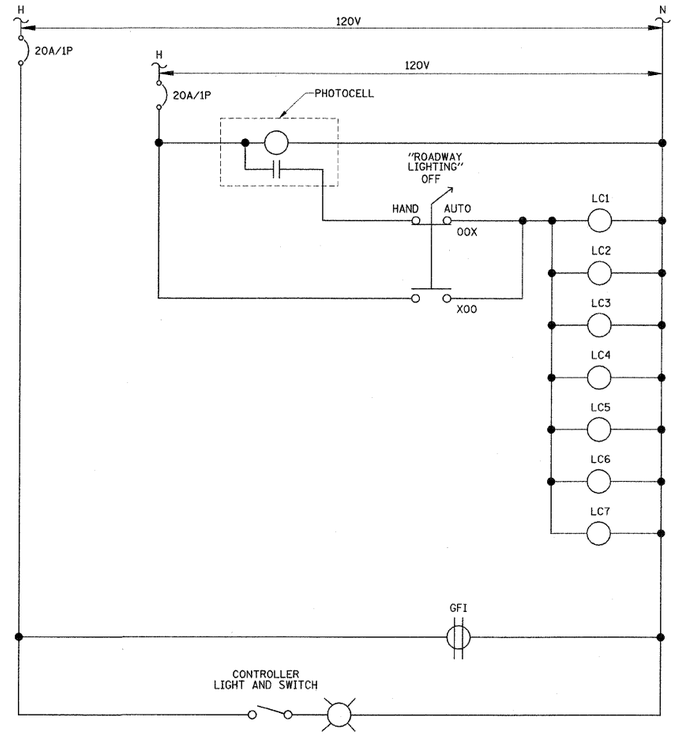
PANELBOARD LIGHTING — MAINS 100 AMPS — LOCATION: PROSPECT AVENUE STATION 657+58
VOLTAGE 120/240 — BUS RATING 100 AMPS
PHASE/WIRE 1PH/3W — MOUNTING INTERIOR ONLY

DESCRIPTION	CKT. NO.	LOAD (VA) A	LOAD (VA) B	AMPS/ POLES	CKT. BKR.	CKT. BKR.	AMPS/ POLES	LOAD (VA) A	LOAD (VA) B	CKT. NO.	DESCRIPTION
SURGE ARRESTOR	1	0		30/2			30/2	0		2	PHASE DETECTION RELAY
	3		0						0	4	
STREET LIGHTING CIRCUIT A	5	750		30/2			30/2	750		6	STREET LIGHTING CIRCUIT B
	7		750						750	8	
STREET LIGHTING CIRCUIT C	9	750		30/2			30/2	600		10	STREET LIGHTING CIRCUIT D
	11		750						600	12	
TRAFFIC SIGNAL CONTROLLER	13	3000		50/1			20/1	280		14	CONTROLLER LIGHT & GFI
STREET LIGHTING CIRCUIT E	15		750	30/2			30/2		600	16	STREET LIGHTING CIRCUIT F
	17	750						600		18	
STREET LIGHTING CIRCUIT G	19		600	30/2			20/1		500	20	CONTROL CIRCUIT
	21	600						0		22	SPACE
SPACE	23		0						0	24	SPACE
SPACE	25	0						0		26	SPACE
SPACE	27		0						0	28	SPACE
SPACE	29	0						0		30	SPACE
SUBTOTAL "A"		5850						2230			
SUBTOTAL "B"			2850						2450		
TOTAL VOLT-AMPERES A & B: 13,380 VA											



LIGHTING CONTROLLER #01 ELECTRICAL ONE-LINE DIAGRAM

NO SCALE



NOTE:
GROUND WIRE NOT SHOWN FOR CLARITY. CONTRACTOR SHALL GROUND ALL EQUIPMENT IN THE LIGHTING CONTROL CABINET AS REQUIRED BY THE 2005 NATIONAL ELECTRICAL CODE.

LIGHTING CONTROLLER #01 CONTROL DIAGRAM

NO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

DATE : 10-08
DRAWN BY : JAJ
CHECKED BY : JJF
SCALE : NONE

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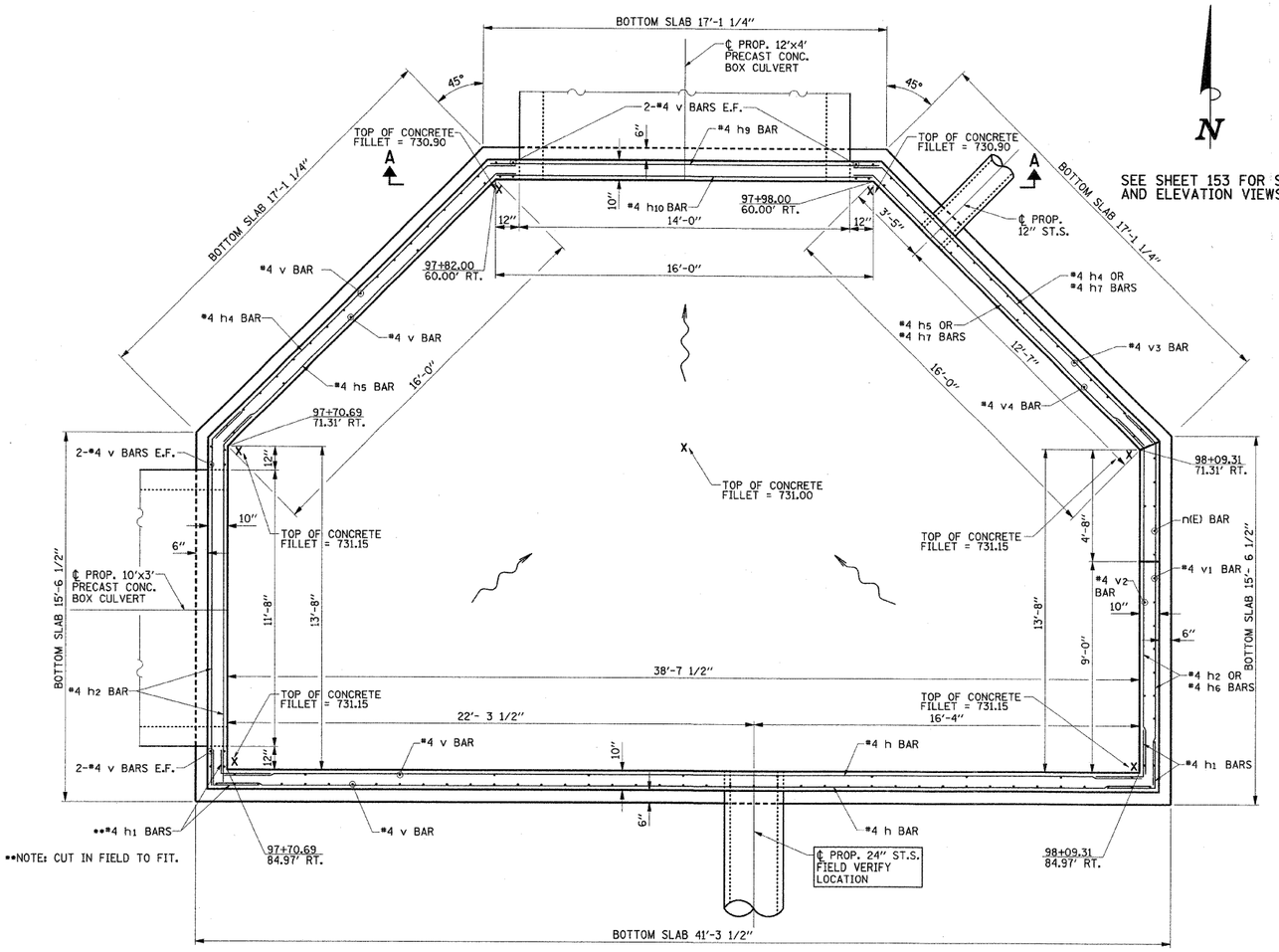
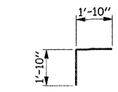
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	152
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



SEE SHEET 153 FOR SECTION A-A AND ELEVATION VIEWS

PLAN



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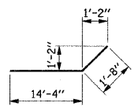

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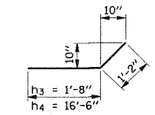

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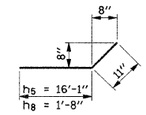
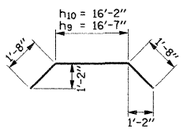
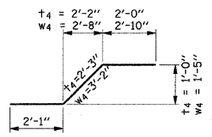


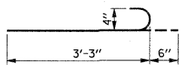
BARS h5 & h8



BARS h9 & h10



BARS t4 & w4



BAR n

BAR BENDING DIAGRAMS

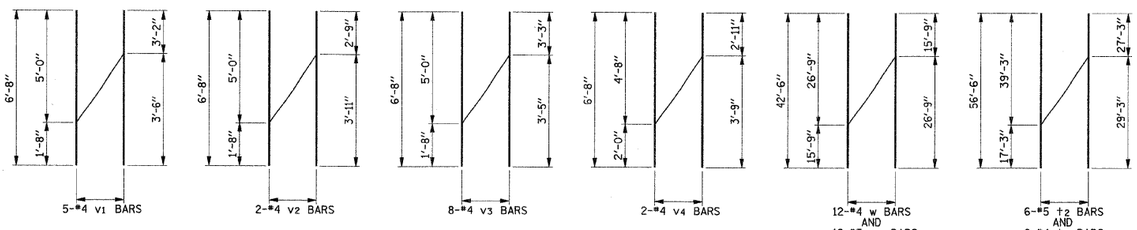
BAR LAP TABLE

BAR SIZE	MIN. LAP
4	1'-5"
5	1'-9"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	16	#4	4'-4"	
h	20	#4	20'-8"	
h_1	20	#4	3'-8"	
h_2	10	#4	16'-0"	
h_3	6	#4	2'-10"	
h_4	10	#4	17'-8"	
h_5	10	#4	17'-0"	
h_6	4	#4	11'-0"	
h_7	6	#4	16'-8"	
h_8	6	#4	2'-7"	
h_9	2	#4	19'-11"	
h_{10}	2	#4	19'-6"	
n(E)	128	#4	3'-9"	
t	16	#5	39-11"	
t_1	16	#4	40'-11"	
t_2*	6	#5	56'-6"	
t_3*	6	#4	56'-6"	
t_4	17	#5	6'-4"	
v	88	#4	5'-1"	
v_1*	5	#4	6'-8"	
v_2*	2	#4	6'-8"	
v_3*	8	#4	6'-8"	
v_4*	2	#4	6'-8"	
w *	12	#4	42'-6"	
w_1*	12	#5	42'-6"	
w_2	17	#5	27'-3"	
w_3	17	#4	27'-3"	
w_4	19	#5	8'-1"	
Structural Excavation		Cu. Yd.	352	
Concrete Structures		Cu. Yd.	53.3	
Class MS Concrete		Cu. Yd.	13.6	
Reinforcement Bars		Pound	5200	
Pedestrian Railing		Foot	100.0	

*See Bar Cutting Diagrams



BAR CUTTING DIAGRAMS

Structural Engineer
Clark Dietz, Inc.

DATE: 10/2/08
License Expires 11-30-2010

STATE OF ILLINOIS SEAN M. MARANO 081-006321 CHAMPAIGN, ILLINOIS LICENSED STRUCTURAL ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION

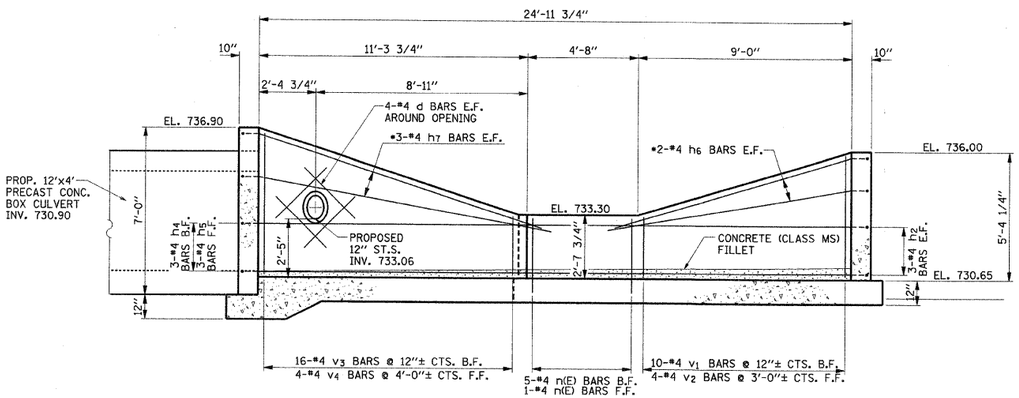
DROP BOX DETAIL
STA. 97+90, RT.

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.
SCALE : 3/8" = 1'-0"

P:\C01401\Plans\sheets\structure-details.dgn
10/2/2008 8:38:21 AM

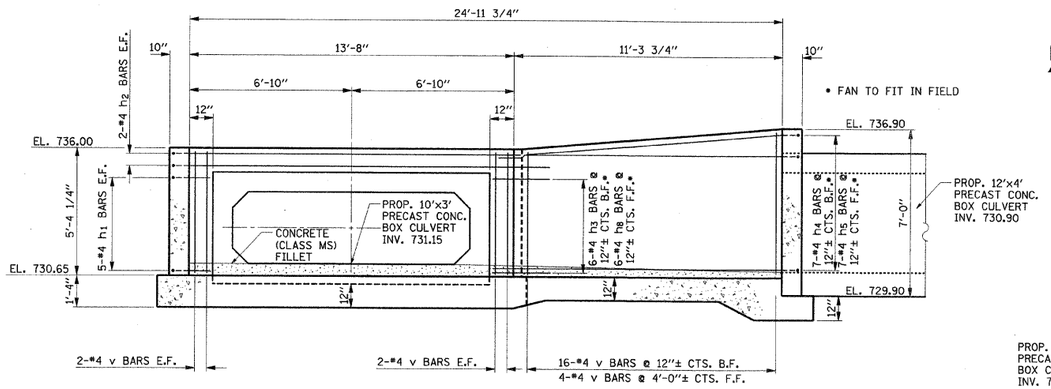
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	153
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

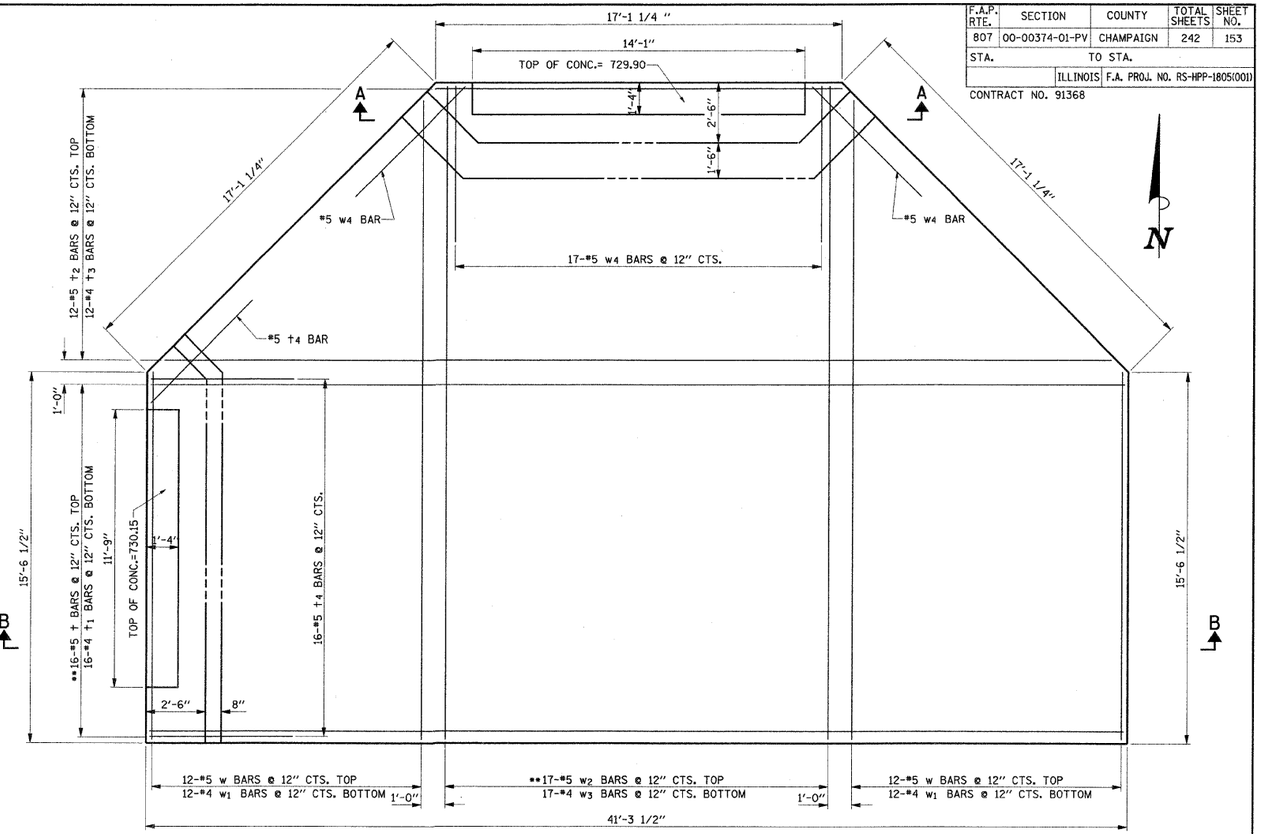


• FAN BARS AT EQUAL SPACES. BEND TO FIT IN FIELD.

EAST WALL ELEVATION
(LOOKING EAST)

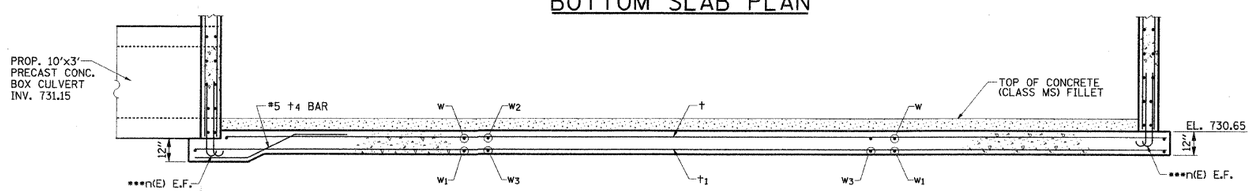


WEST WALL ELEVATION
(LOOKING WEST)



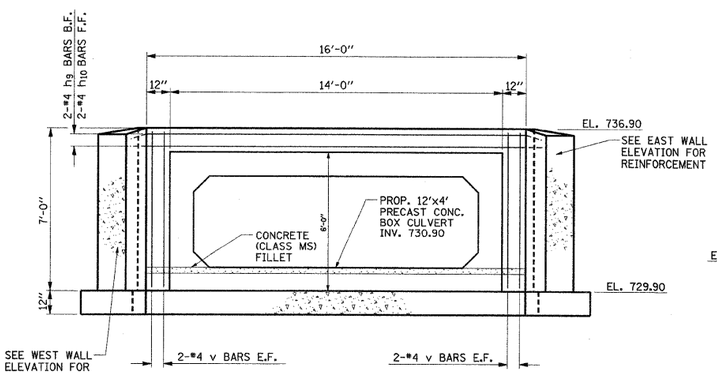
** NOTE: CUT † AND w_2 BARS TO FIT AS REQUIRED.

BOTTOM SLAB PLAN

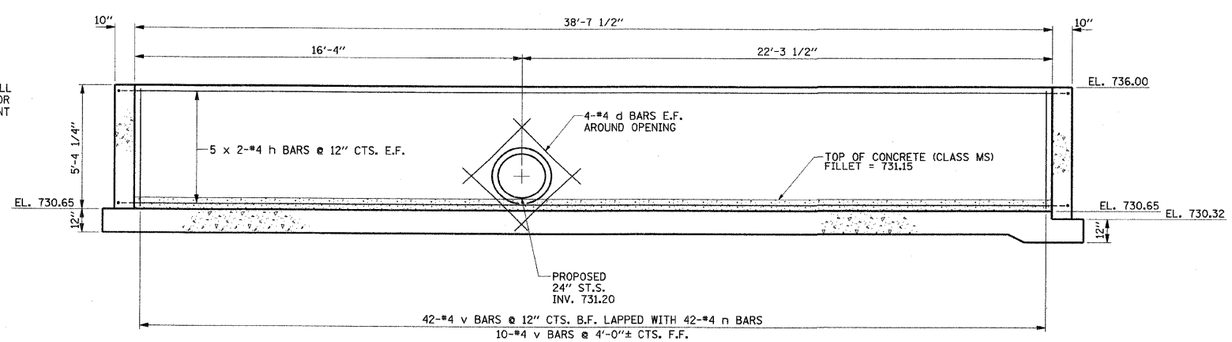


*** NOTE: LAP n(E) BARS WITH VERTICAL REINFORCEMENT IN EACH SIDE OF THE WALLS.

SECTION B-B



SECTION A-A
(LOOKING NORTH)



SOUTH WALL ELEVATION
(LOOKING SOUTH)

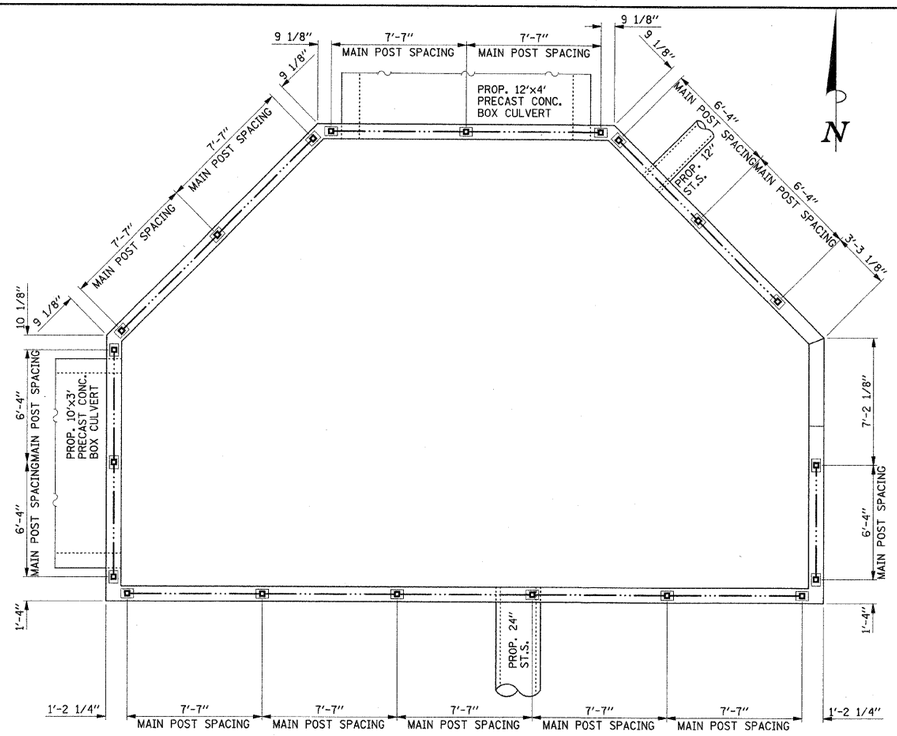
ILLINOIS DEPARTMENT OF TRANSPORTATION

DROP BOX DETAIL
STA. 97+90, RT.

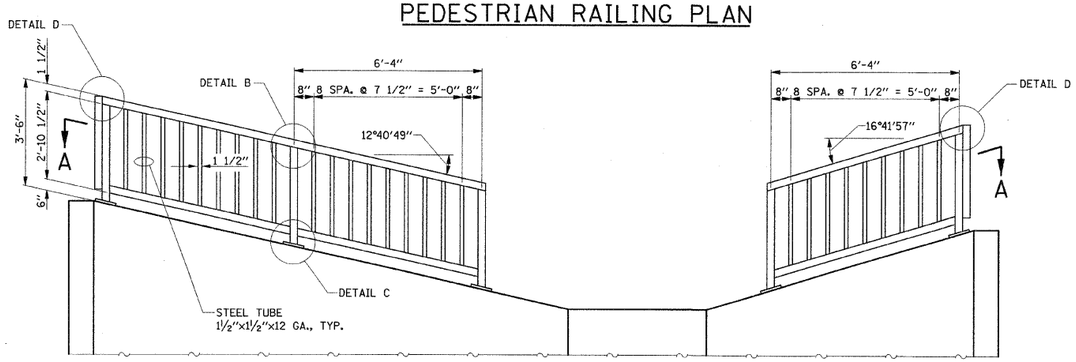
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.
SCALE : 3/8" = 1'-0"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	154
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

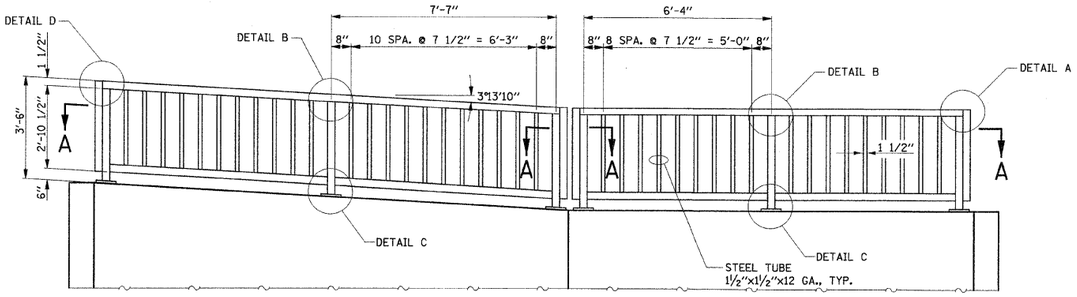
CONTRACT NO. 91368



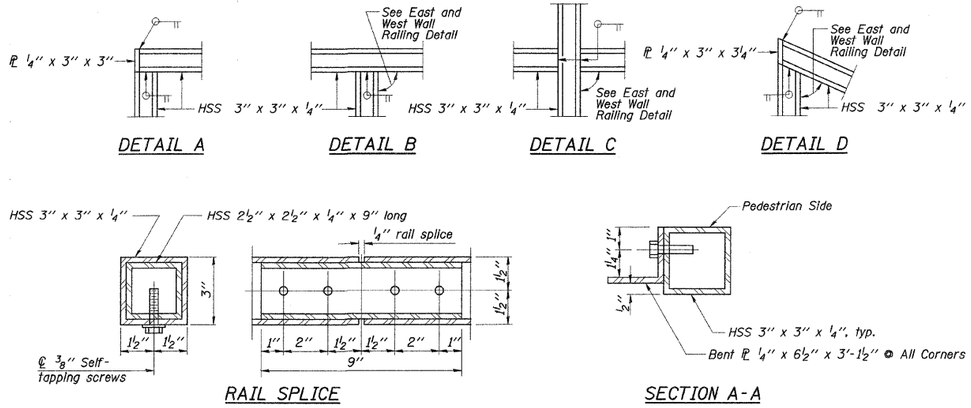
PEDESTRIAN RAILING PLAN



EAST WALL RAILING
(LOOKING EAST)



WEST WALL RAILING
(LOOKING EAST)



NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing.

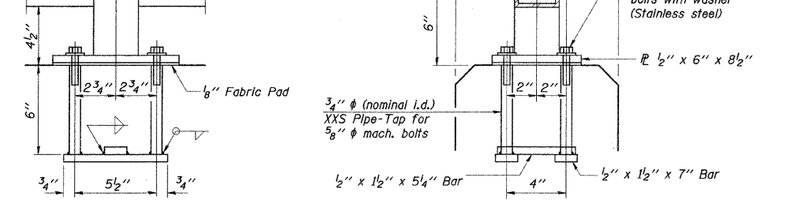
Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.

If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with pre-measured amounts of the adhesive chemical.

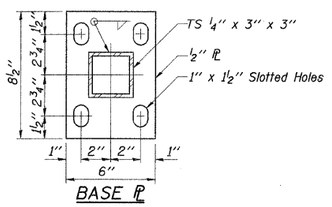
Space reinforcement to miss anchor rods.

All posts, railing, splices, anchor devices, and bent plates shall be galvanized and painted. See Special Provisions.

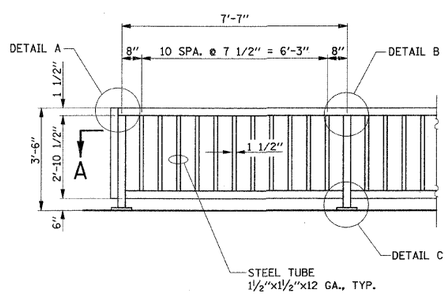


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting ⅝" ϕ anchor rods. Embedment shall be according to the manufacturer's specifications.



BASE ℄



TYPICAL NORTH AND SOUTH WALL RAILING

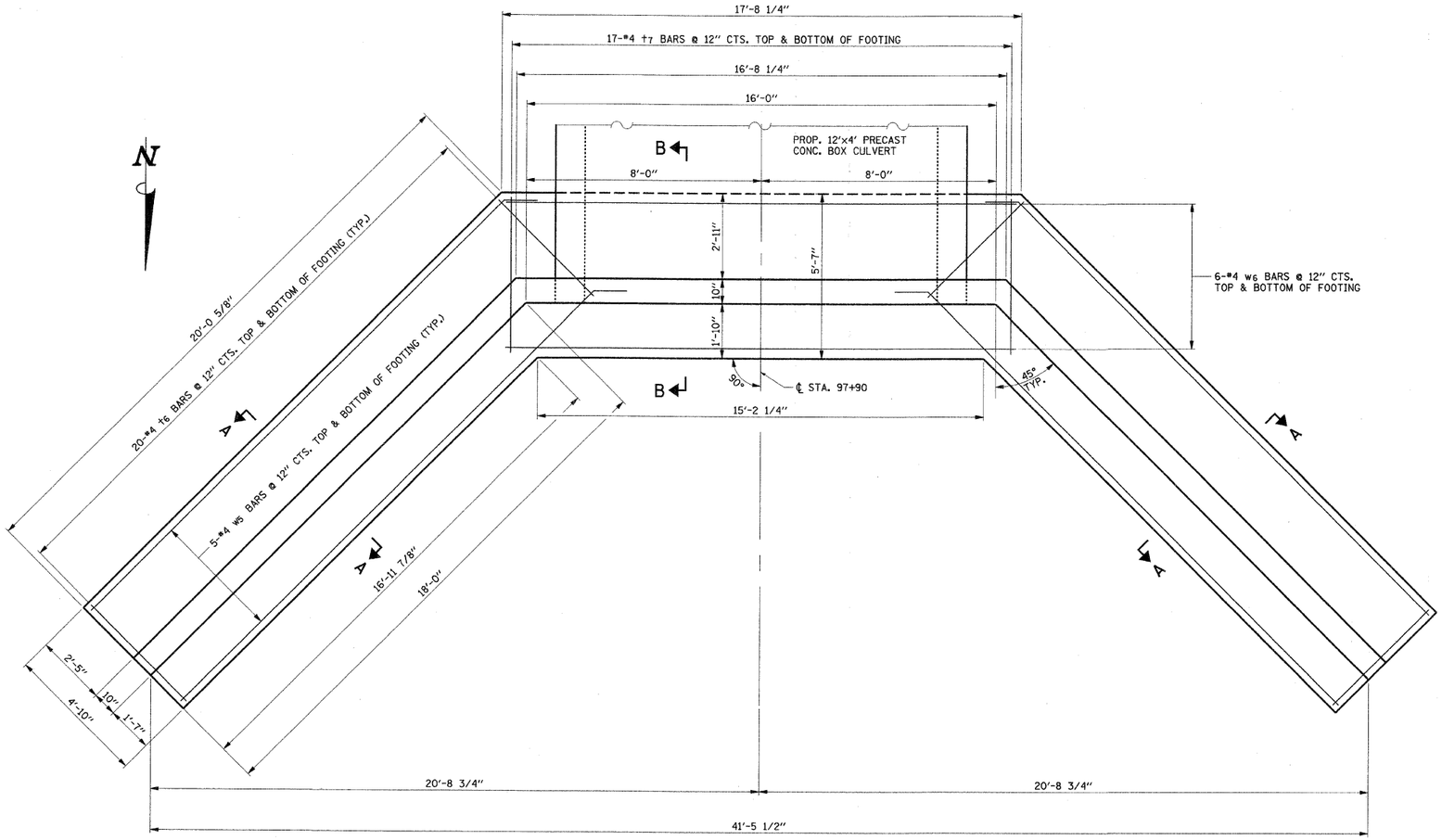
ILLINOIS DEPARTMENT OF TRANSPORTATION

DROP BOX HANDRAIL DETAIL
STA. 97+90, RT.

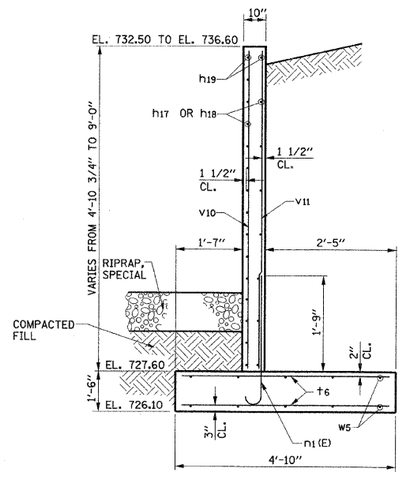
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	155
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

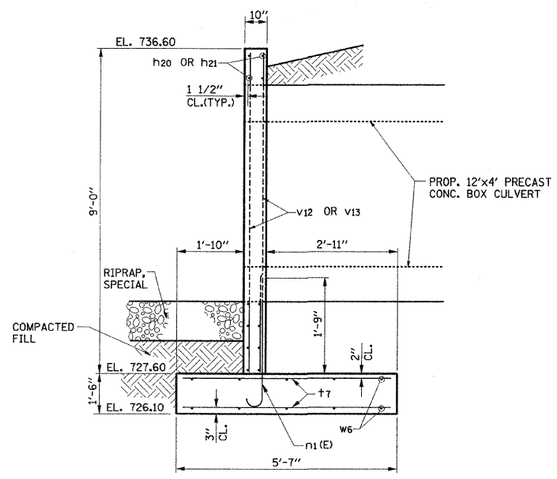
CONTRACT NO. 91368



PLAN



SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

Sean Manzano
Structural Engineer
Clark Dietz, Inc.

DATE: 10/2/08
License Expires 11-30-2010

STATE OF ILLINOIS
SEAN W. MANZANO
081-006321
CHAMPAIGN, ILLINOIS
LICENSED STRUCTURAL ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION

HEADWALL DETAIL
STA. 97+90, LT.

SCALE : 3/8" = 1'-0"

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.

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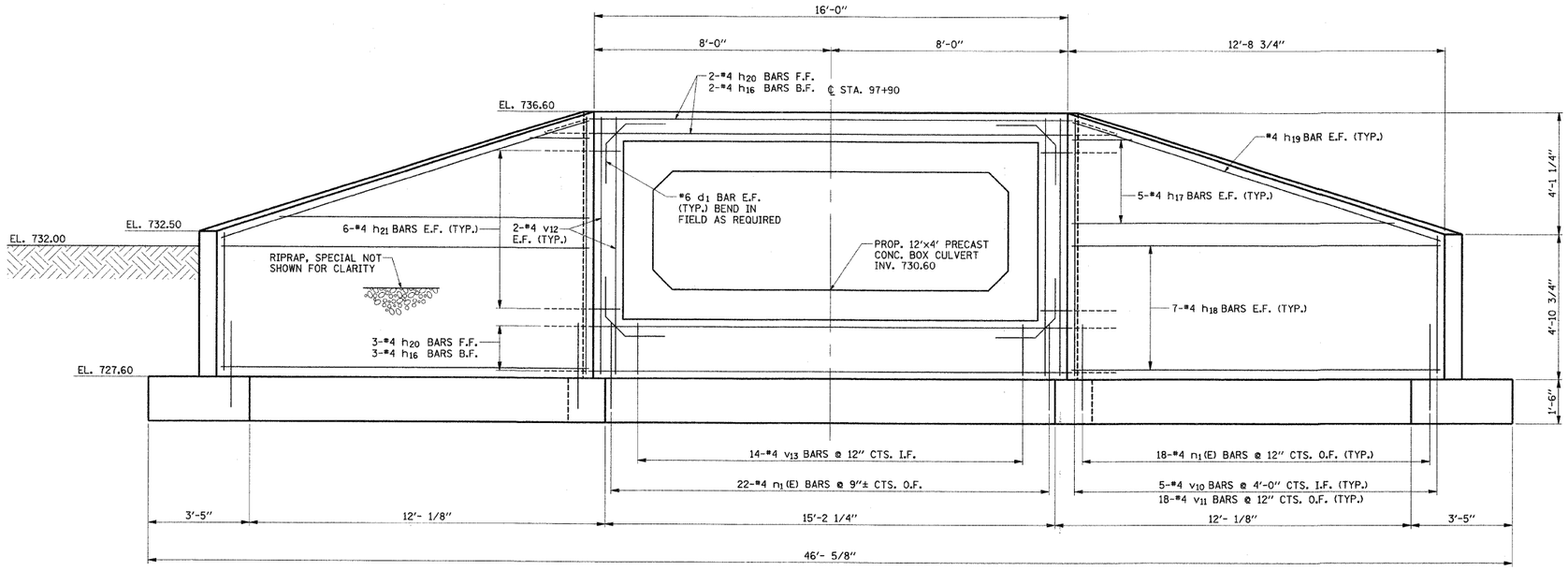
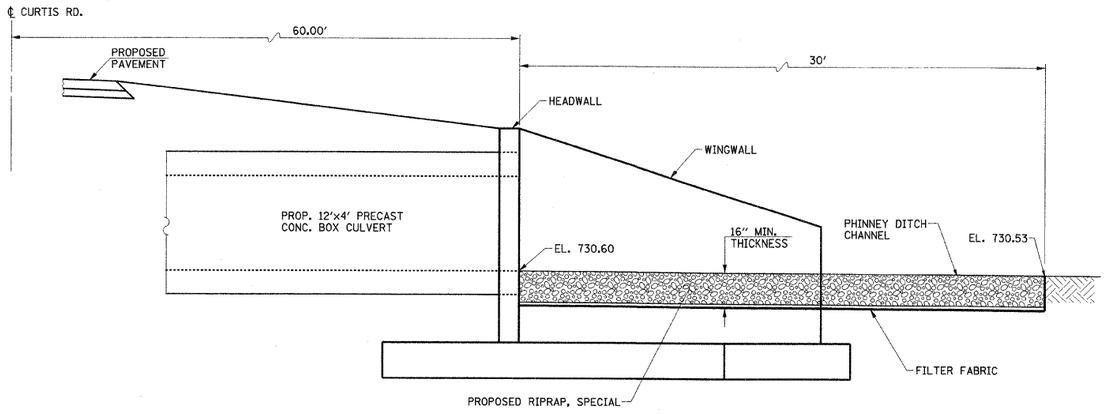
10/2/2008 8:38:57 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	156
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



END ELEVATION
(LOOKING SOUTH)



NOTE

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR RIPRAP, SPECIAL, WHICH PRICE SHALL INCLUDE ALL MATERIALS, INCLUDING EXCAVATION, RIPRAP, FILTER FABRIC, GROUT AND LABOR NECESSARY TO COMPLETE THE WORK. SECTION 282 OF THE STANDARD SPECIFICATIONS IS HEREBY REVISED THAT FILTER FABRIC IS NOT TO BE PAID FOR SEPARATELY, BUT INCLUDED IN THE PRICE FOR THE RIPRAP, SPECIAL AS NOTED HEREIN.

RIPRAP, SPECIAL DETAIL
NO SCALE

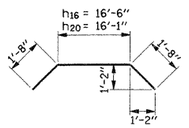
BAR LAP TABLE

BAR SIZE	MIN. LAP
4	1'-8"
5	2'-2"
6	2'-7"

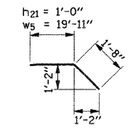
BILL OF MATERIAL

Bar	No.	Size	Length (ft.)	Shape
d_1	8	#6	4'-0"	
h_{16}	5	#4	19'-10"	
h_{17}*	10	#4	19'-8"	
h_{18}	28	#4	18'-0"	
h_{19}	4	#4	18'-3"	
h_{20}	5	#4	19'-5"	
h_{21}	24	#4	2'-8"	
$n_1(E)$	58	#4	3'-5"	
t_6	80	#4	4'-7"	
t_7	34	#4	5'-4"	
v_{10}*	5	#4	12'-3"	
v_{11}*	18	#4	13'-4"	
v_{12}	8	#4	8'-9"	
v_{13}	14	#4	1'-9"	
w_5	20	#4	21'-7"	
w_6	12	#4	17'-4"	
Structural Excavation		Cu. Yd.	164	
Concrete Structures		Cu. Yd.	24.9	
Reinforcement Bars		Pound	1930	

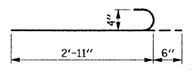
*See Bar Cutting Diagrams



BAR h16 & h20

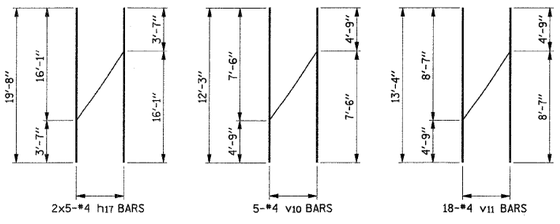


BAR h21 & w5



BAR n1

BAR BENDING DIAGRAMS



BAR CUTTING DIAGRAMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

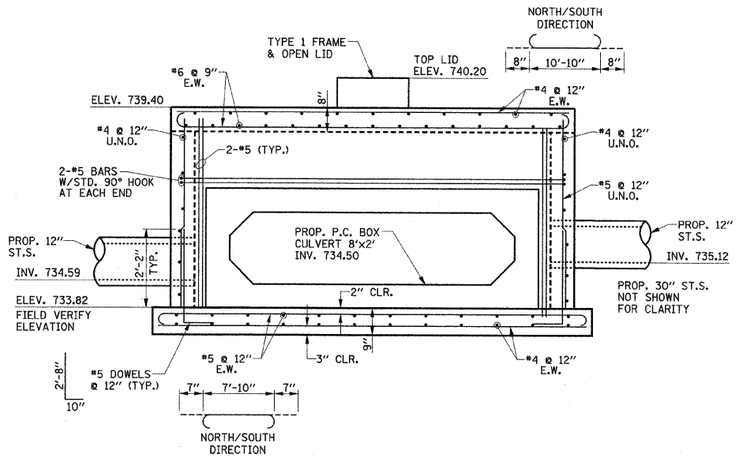
HEADWALL DETAIL
STA. 97+90, LT.

SCALE : 3/8" = 1'-0"

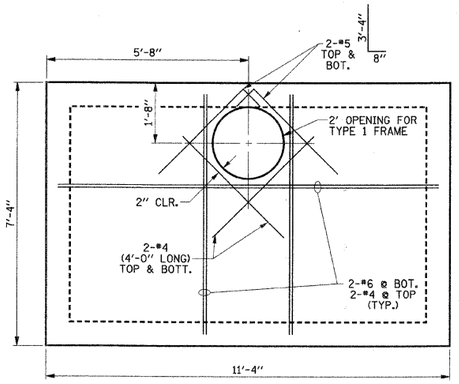
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	157
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

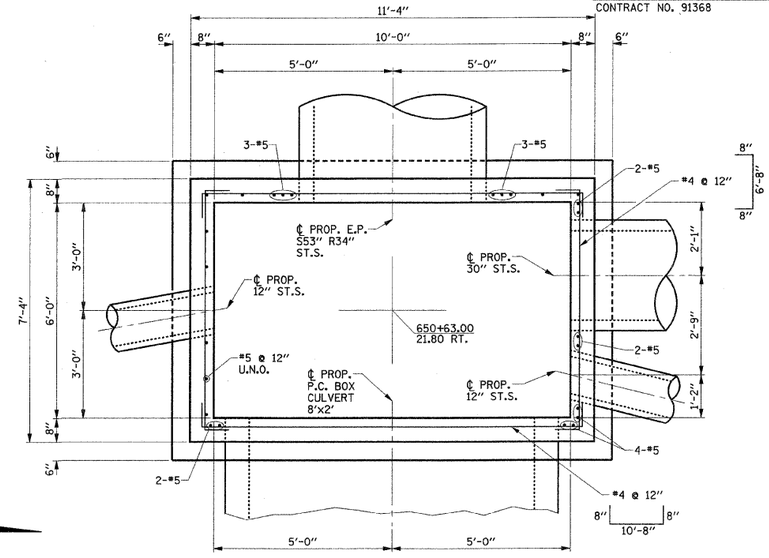
CONTRACT NO. 91368



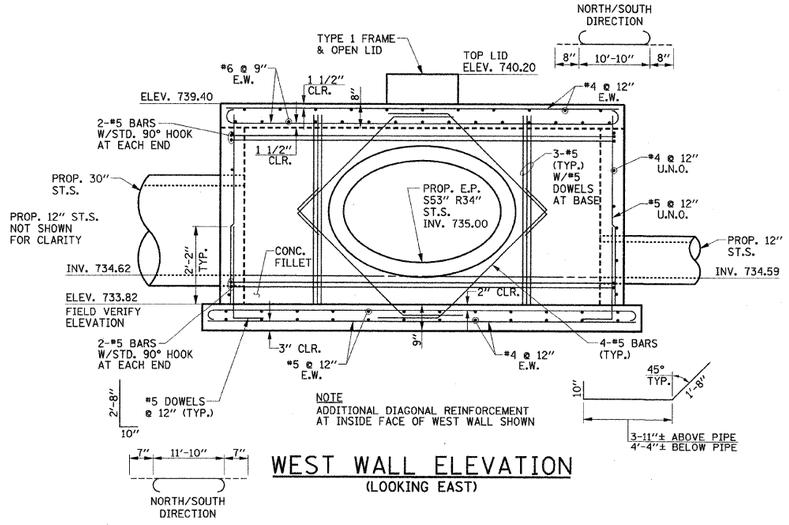
EAST WALL ELEVATION
(LOOKING WEST)



TOP PLAN

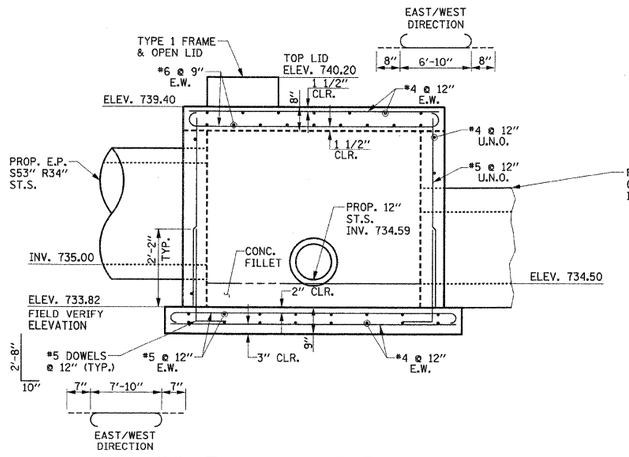


BOTTOM SLAB PLAN

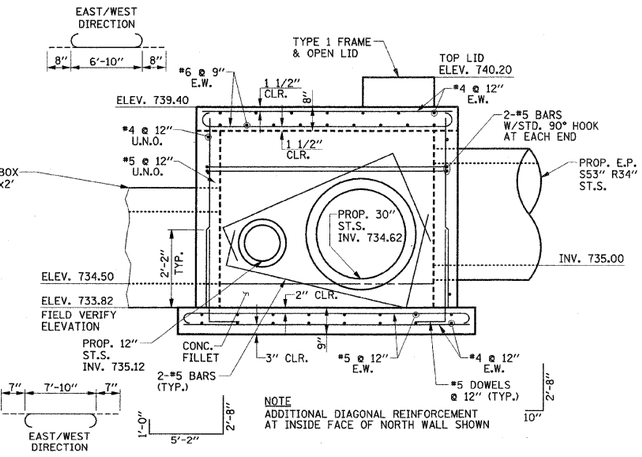


WEST WALL ELEVATION
(LOOKING EAST)

NOTE
ADDITIONAL DIAGONAL REINFORCEMENT AT INSIDE FACE OF WEST WALL SHOWN



SOUTH WALL ELEVATION
(LOOKING NORTH)



NORTH WALL ELEVATION
(LOOKING SOUTH)

NOTE
ADDITIONAL DIAGONAL REINFORCEMENT AT INSIDE FACE OF NORTH WALL SHOWN

BAR LAP TABLE

BAR SIZE	MIN. LAP
4	1'-8"
5	2'-2"

NOTE
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR JUNCTION BOX NO. 1, WHICH PRICE SHALL INCLUDE ALL MATERIALS AND LABOR INCLUDING EXCAVATION, CONCRETE, REINFORCEMENT BARS, FRAME AND LID, AND BACKFILLING

Structural Engineer
Clark Dietz, Inc.

DATE: 10/2/08
License Expires 11-30-2010

STATE OF ILLINOIS
SEAN M. MARIANO
081-006321
CHAMPAIGN, ILLINOIS
LICENSED STRUCTURAL ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION

JUNCTION BOX NO. 1 DETAIL STA. 650+63, RT.

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : S.M.M.
SCALE : 1/2" = 1'-0"

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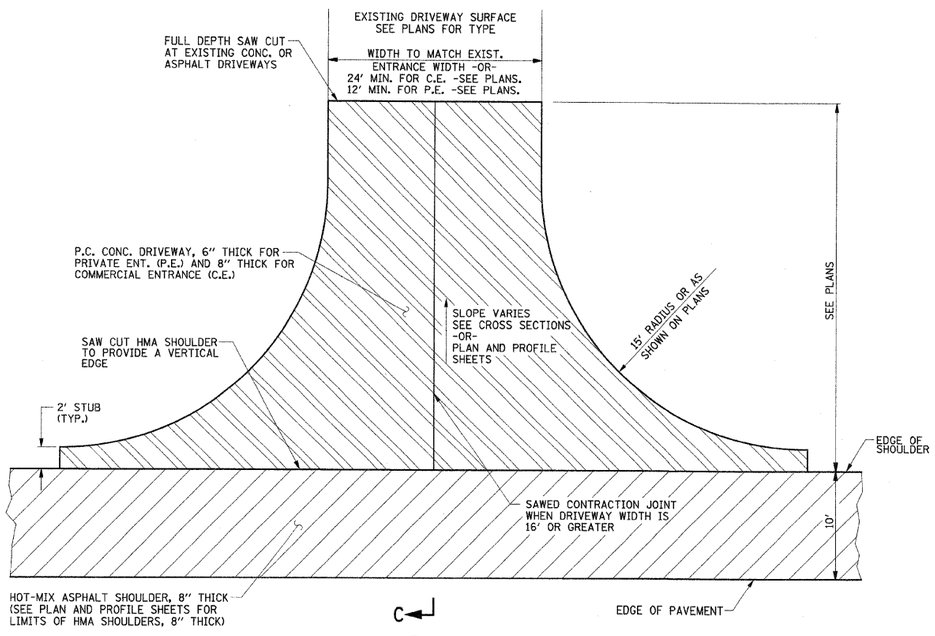
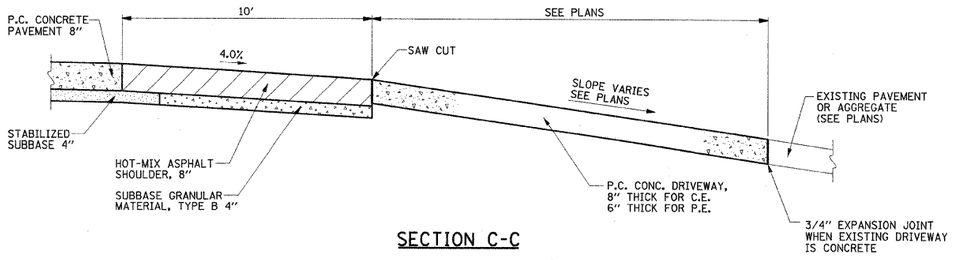
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	158
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

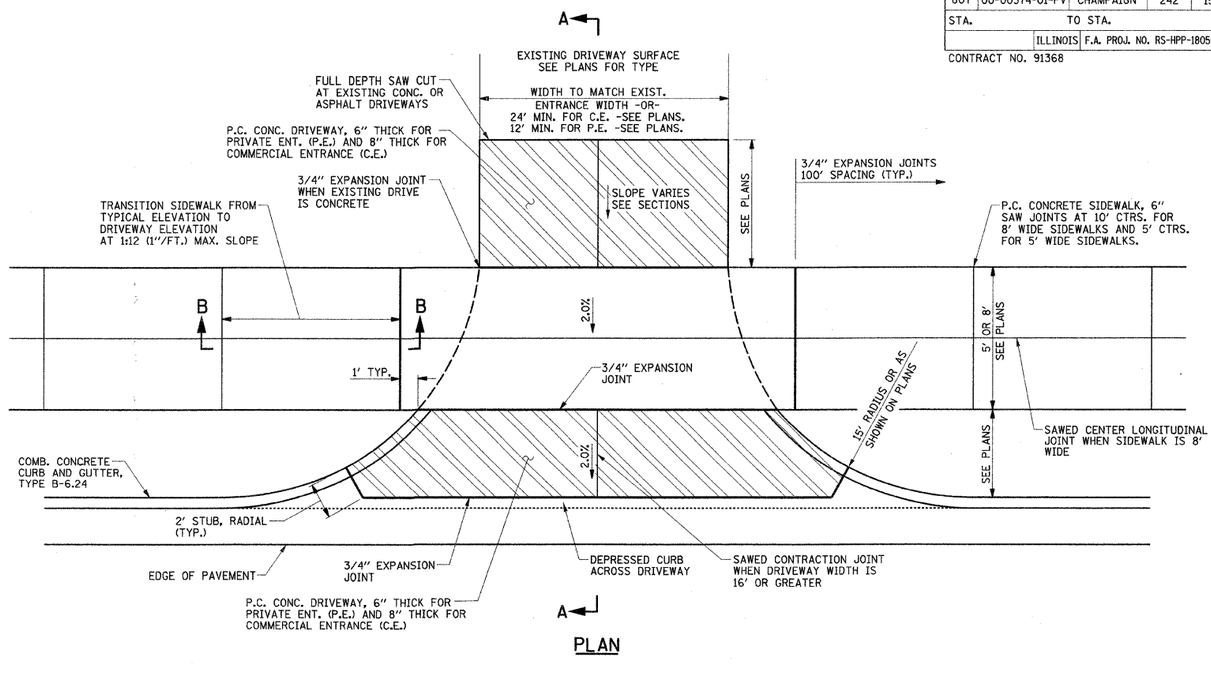


PLAN

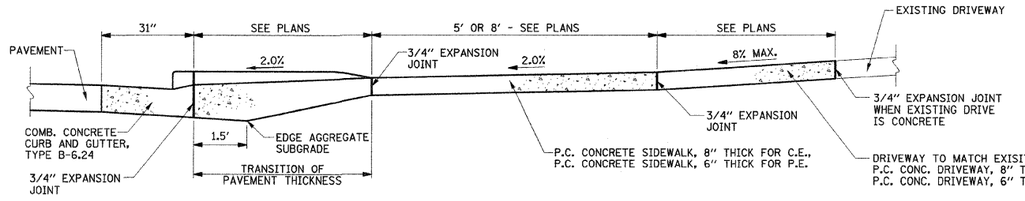


SECTION C-C

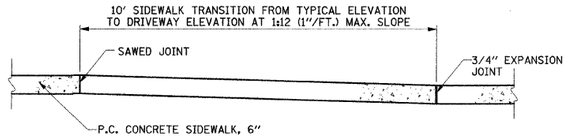
P.C. CONCRETE DRIVEWAY DETAIL ADJACENT TO HOT-MIX ASPHALT SHOULDER (PRIVATE AND COMMERCIAL ENTRANCES)



PLAN



SECTION A-A



SECTION B-B

P.C. CONCRETE DRIVEWAY DETAIL ADJACENT TO COMB. CONC. CURB & GUTTER, TYPE B-6.24 (PRIVATE AND COMMERCIAL ENTRANCES)

P.C.C. DRIVEWAY PAVEMENT GENERAL NOTES

THE COST OF CONSTRUCTING THE DEPRESSED CURB INCLUDING THE 2' STUB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C. CONCRETE DRIVEWAY THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE DRIVEWAY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.

THE COST OF CONSTRUCTING THE P.C. CONCRETE DRIVEWAY PAVEMENT THICKER ADJACENT TO THE GUTTER AS SHOWN IN SECTION A-A WILL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

WHEN THE WIDTH OF THE P.C. CONCRETE DRIVEWAY PAVEMENT IS BETWEEN 12' AND 24' A CONTRACTION JOINT SHALL BE PLACED AT THE CENTER OF THE DRIVEWAY. WHEN THE WIDTH OF THE P.C. CONCRETE DRIVEWAY PAVEMENT IS BETWEEN 24' TO 35', TWO CONTRACTION JOINTS EVENLY SPACED SHALL BE PLACED IN THE DRIVEWAY. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 12' MAXIMUM SPACING.

THE DRIVEWAY PAVEMENT AND SIDEWALK AT STA. 134+89.7 LT. SHALL BE CONSTRUCTED IN HALF WIDTHS USING HIGH-EARLY STRENGTH CONCRETE AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE DRIVEWAY PAVEMENT AND SIDEWALK WITH HIGH-EARLY STRENGTH CONCRETE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE DRIVEWAY PAVEMENT AND THE P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE SPECIAL PROVISION FOR TRAFFIC CONTROL COMPLETE FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

P.C. CONCRETE DRIVEWAY DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	159
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

NOTES:

1. SEE THE P.C. CONCRETE DRIVEWAY DETAIL FOR ADDITIONAL DETAIL INFORMATION AND GENERAL NOTES.

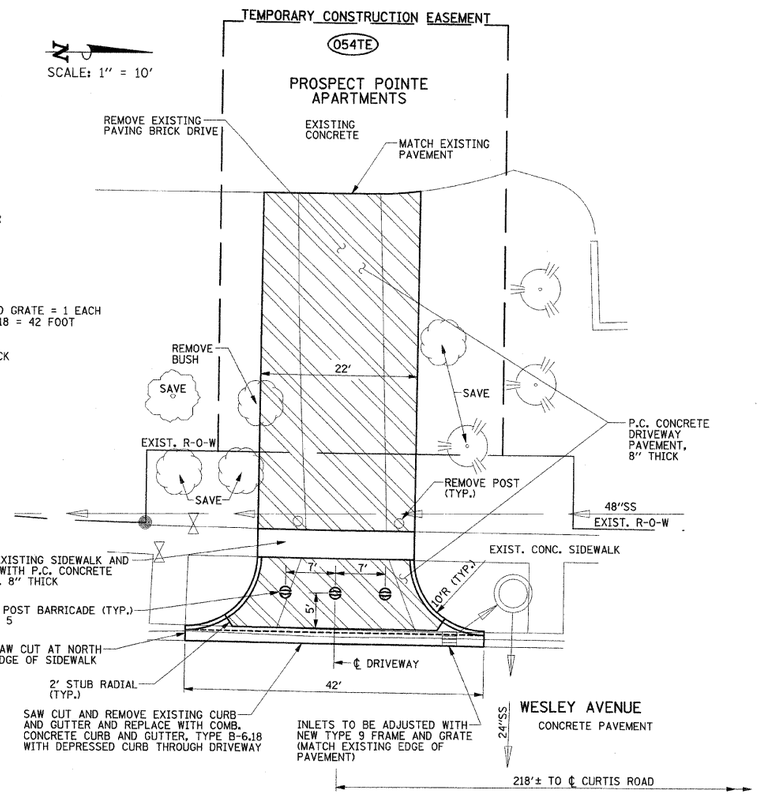
2. EXISTING PAVING BRICKS AND POSTS SHALL BE SALVAGED AND BECOME THE PROPERTY OF THE OWNER. IF THE OWNER DOES NOT WANT THE SALVAGED MATERIALS THEY SHALL BE DISPOSED OF OFF SITE AS DIRECTED BY THE ENGINEER. THE COST OF REMOVING AND DISPOSING OF THE MATERIALS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICES FOR THE FOLLOWING PAY ITEMS:

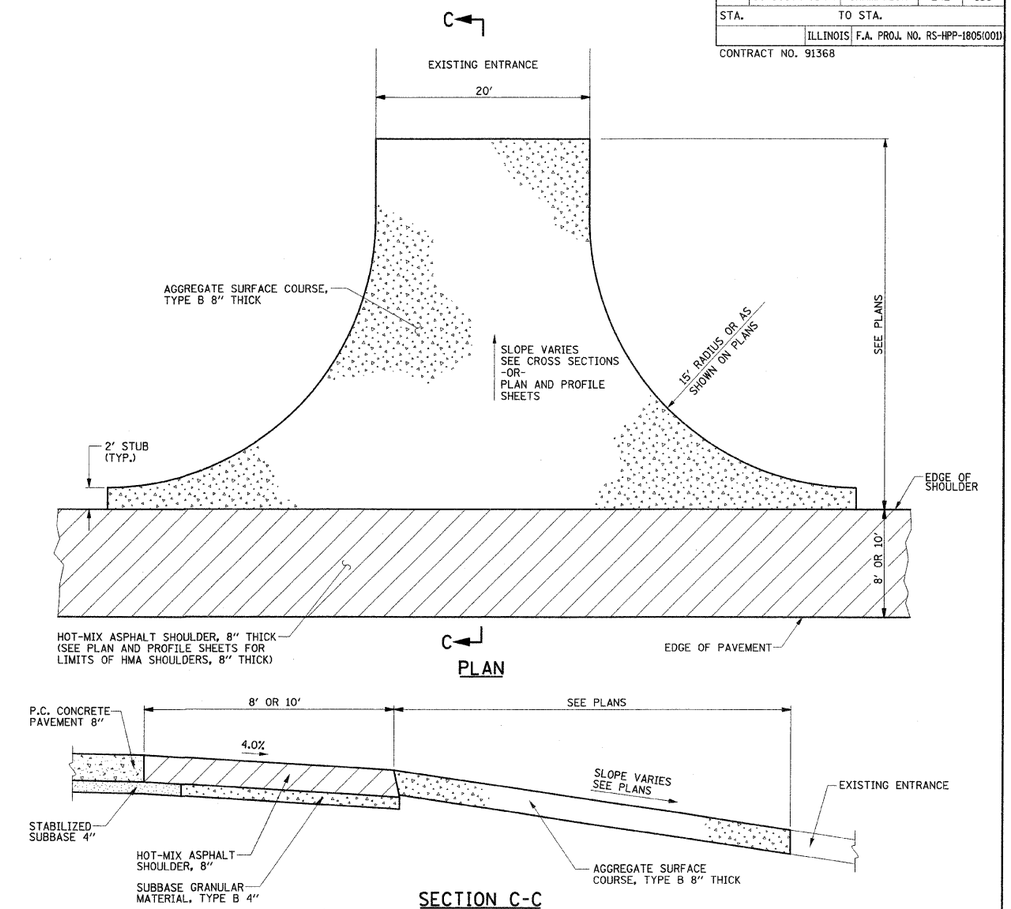
20200100	EARTH EXCAVATION = 28 CU YD
42300400	P.C. CONCRETE DRIVEWAY PAVEMENT 8" = 143 SQ YD
42400300	P.C. CONCRETE SIDEWALK 6" = 88 SQ FT
44000500	COMBINATION CURB AND GUTTER REMOVAL = 42 FOOT
44000600	SIDEWALK REMOVAL = 88 SQ FT
60261100	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE = 1 EACH
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 = 42 FOOT
	FLEXIBLE POST BARRICADE = 3 EACH

4. THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 8" THICK THROUGH THE DRIVEWAY SHALL BE INCLUDED IN THE COST OF THE P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

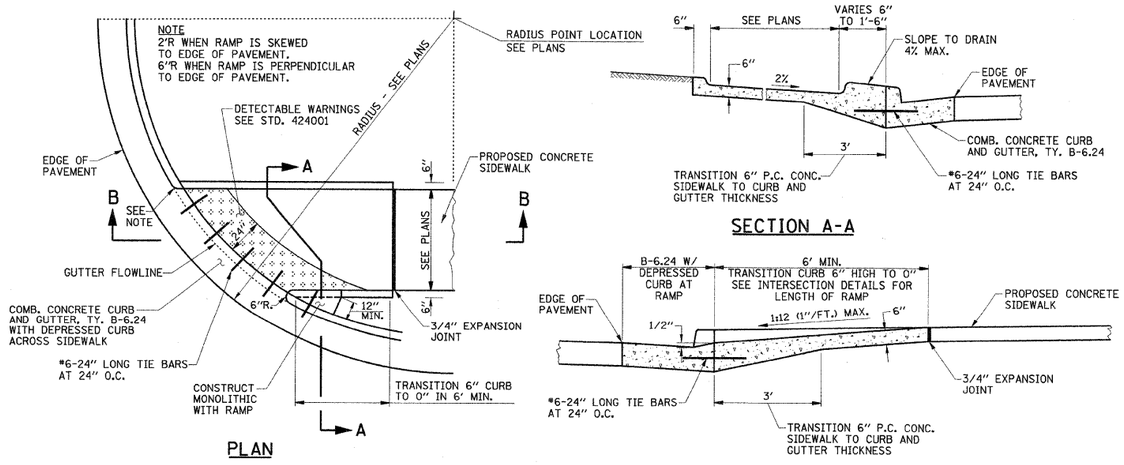
5. THE FLEXIBLE POST BARRICADES SHALL BE INSTALLED AFTER THE PERMANENT DRIVEWAY TO PROSPECT POINTE APARTMENTS ON CURTIS ROAD IS OPENED TO TRAFFIC. THIS DRIVEWAY WILL THEN BE CLOSED TO TRAFFIC EXCEPT FOR EMERGENCY VEHICLE USE. THE FLEXIBLE POST BARRICADES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR FLEXIBLE POST BARRICADES. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



PROSPECT POINTE APARTMENTS DRIVEWAY DETAIL



FIELD ENTRANCE DETAIL



P.C. CONCRETE SIDEWALK RAMP DETAILS

SIDEWALK GENERAL NOTES

THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND *6-24" LONG TIE BARS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE DETECTABLE WARNINGS SHALL HAVE A CONTRASTING COLOR APPROVED BY THE ENGINEER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 424001 AND THE STANDARD SPECIFICATIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.

WHEN PREFABRICATED DETECTABLE WARNING PRODUCTS ARE USED THE SIDEWALK RAMP BELOW THE DETECTABLE WARNING UNITS SHALL BE A MINIMUM OF 4" THICK.

THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.

TRANSVERSE SAWED JOINTS SHALL BE PLACED AT 5' CENTERS FOR 5' WIDE SIDEWALKS AND AT 10' CENTERS FOR 8' WIDE SIDEWALKS. THE 3/4" EXPANSION JOINTS SHALL BE PLACED AT 100' CENTERS.

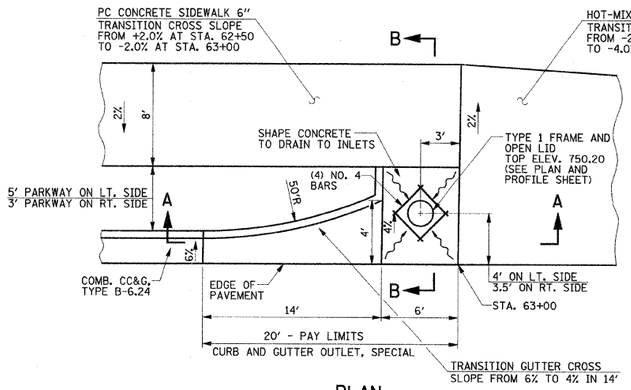
ILLINOIS DEPARTMENT OF TRANSPORTATION

P.C. CONCRETE SIDEWALK, FIELD ENTRANCE AND DRIVEWAY DETAILS

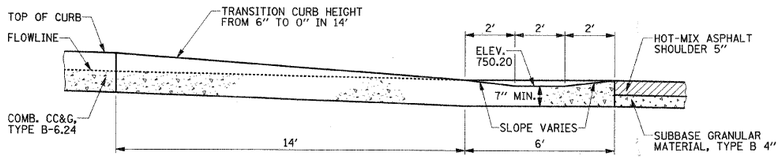
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	160
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

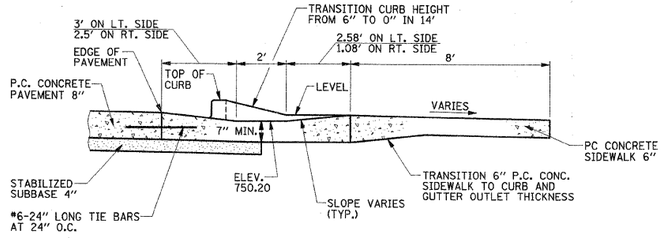
CONTRACT NO. 91368



PLAN



SECTION A-A

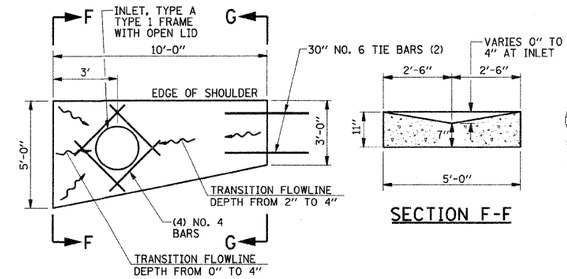


SECTION B-B

NOTES:

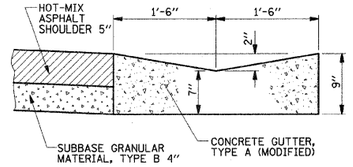
1. THE CONCRETE CURB AND GUTTER OUTLET, SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF SECTION 606 OF THE STANDARD SPECIFICATIONS.
2. CONSTRUCTION OF THE CURB AND GUTTER OUTLET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CURB AND GUTTER OULET, SPECIAL.
3. THE COST OF CONSTRUCTING THE VARIABLE WIDTHS, THICKNESS AND CURB HEIGHT OF THE CURB AND GUTTER OUTLET INCLUDING REINFORCING BARS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CURB AND GUTTER OUTLET, SPECIAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CURB AND GUTTER OUTLET, SPECIAL DETAIL



DETAIL OF GUTTER OUTLET

SECTION F-F

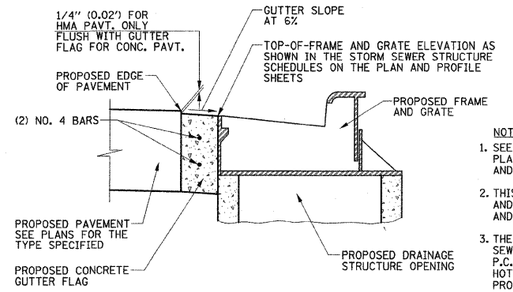


DETAIL OF CONCRETE GUTTER, TYPE A (MODIFIED) SECTION G-G

NOTES:

1. THE CONCRETE GUTTER AND OUTLET SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF SECTION 606 OF THE STANDARD SPECIFICATIONS.
2. SAWED CONTRACTION JOINTS 2" DEEP SHALL BE PLACED AT 15 FOOT CENTERS IN THE CONCRETE GUTTER AND THE JOINTS SHALL BE SEALED IN ACCORDANCE WITH ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
3. CONSTRUCTION OF THE CONCRETE GUTTER AND OUTLET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT, MEASURED ALONG THE GUTTER FLOWLINE, FOR CONCRETE GUTTER, TYPE A (MODIFIED). THE PRICE SHALL INCLUDE THE COST OF THE REINFORCEMENT BARS AND TIE BARS.

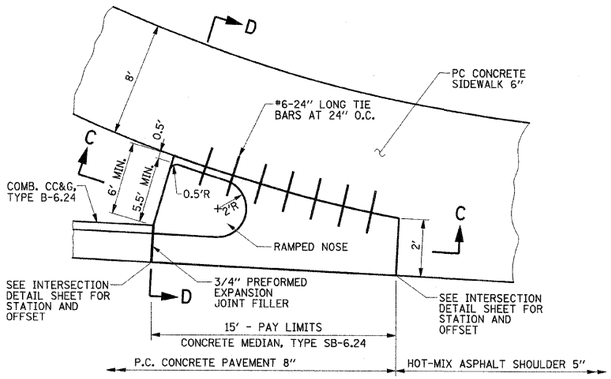
CONCRETE GUTTER, TYPE A (MODIFIED) DETAILS



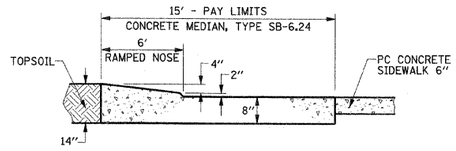
NOTES:

1. SEE THE STORM SEWER STRUCTURE SCHEDULES ON THE PLAN AND PROFILE SHEETS FOR THE TYPE, LOCATION, AND ELEVATION OF THE FRAMES AND GRATES.
2. THIS DETAIL SHALL BE APPLICABLE FOR PROPOSED FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.
3. THE TOP-OF-FRAME ELEVATIONS SHOWN IN THE STORM SEWER STRUCTURE SCHEDULES ARE 0.03' LOWER FOR P.C. CONCRETE PAVEMENTS AND 0.05' LOWER FOR HOT-MIX ASPHALT PAVEMENTS THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATION.

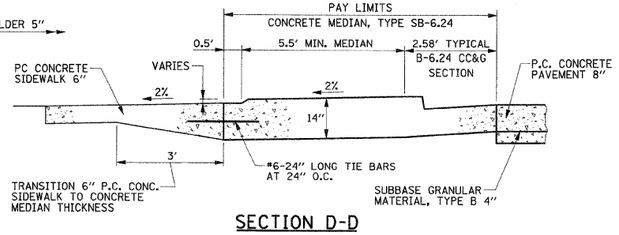
DRAINAGE STRUCTURE FRAME AND GRATE DETAIL



PLAN



SECTION C-C

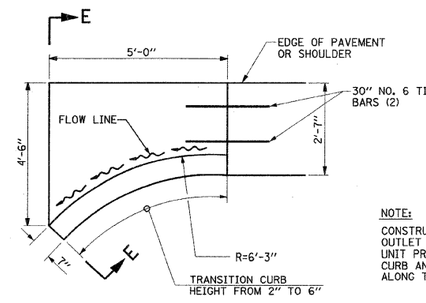


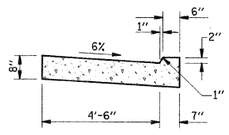
SECTION D-D

NOTES:

1. THE RAMPED CONCRETE MEDIAN NOSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301.
2. THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS, *6-24" LONG TIE BARS AND RAMPED NOSE SHALL BE INCLUDED IN THE COST OF CONSTRUCTING CONCRETE MEDIAN, TYPE SB-6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONCRETE MEDIAN, TYPE SB-6.24 DETAIL





SECTION E-E

NOTE:

CONSTRUCTION OF THE CURB AND GUTTER OUTLET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONC. CURB AND GUTTER, TYPE B-6.24 MEASURED ALONG THE GUTTER FLOWLINE.

CURB & GUTTER OUTLET DETAIL

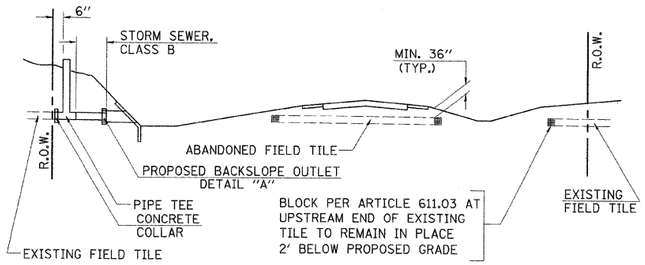
ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE MEDIAN AND GUTTER DETAILS

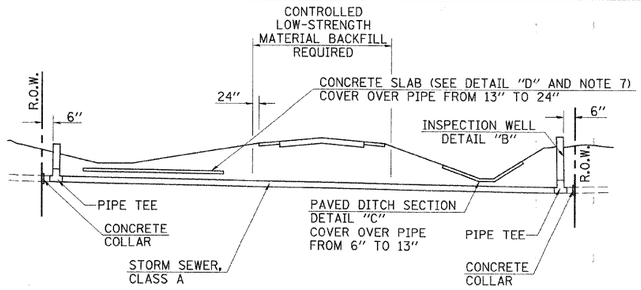
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	161
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

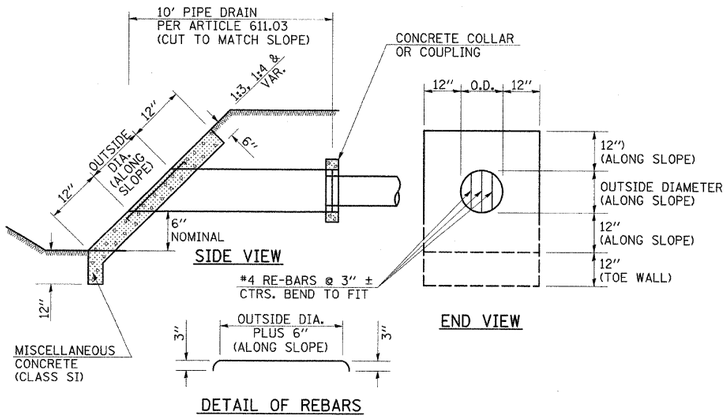
CONTRACT NO. 91368



METHOD 'A'
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

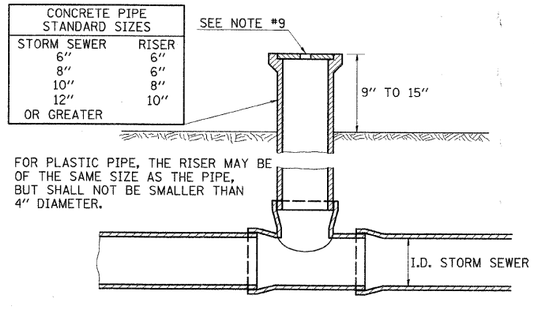


METHOD 'B'
STORM SEWER LESS THAN 24" BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH

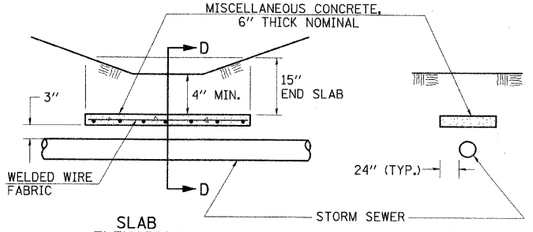


HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"

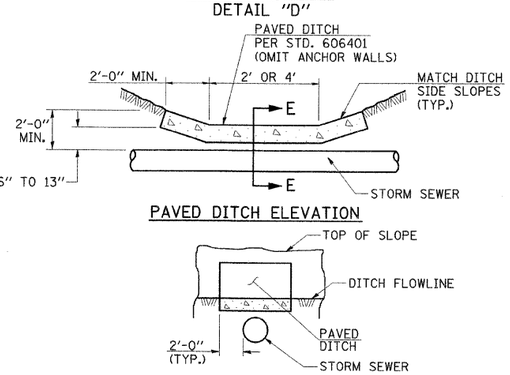
CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6"	6"
8"	6"
10"	8"
12" OR GREATER	10"



INSPECTION WELL
DETAIL "B"



CONCRETE SLAB
DETAIL "D"

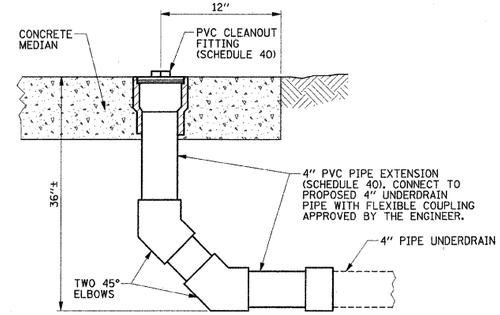


PAVED DITCH
DETAIL "C"

FIELD TILE GENERAL NOTES

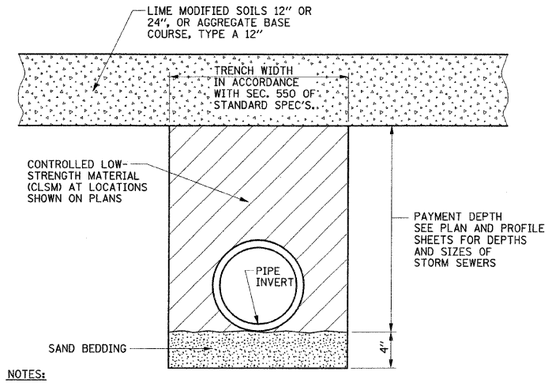
1. EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
2. ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
3. INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
4. EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIAL AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
5. NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWERS OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER, CLASS A UNDER PAVED SURFACES AND STORM SEWER, CLASS B IN NON-PAVED AREAS.
6. THE 6" CONCRETE SLAB OR DITCH LINING SHALL BE CONSTRUCTED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2" OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
7. ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
8. HEADWALL FOR BACKSLOPE OUTLETS MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 12". SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
9. THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" CAST IRON AND PROVIDED WITH A 1" DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.
10. THE INSPECTION WELL INCLUDING THE PIPE TEE, RISER PIPE AND LID WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWERS.

DETAIL FOR TREATMENT OF EXISTING FIELD TILE SYSTEMS



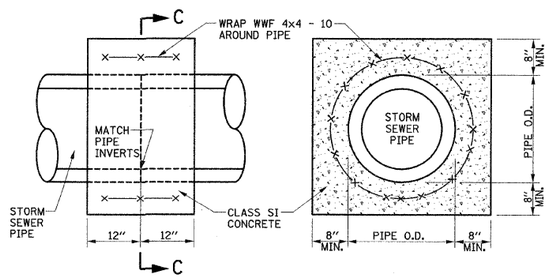
NOTE:
THE COST OF CONSTRUCTING THE PIPE UNDERDRAIN CLEANOUTS WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE PIPE UNDERDRAINS 4" (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PIPE UNDERDRAIN CLEANOUT DETAIL



NOTES:
1. THE CLSM SHALL BE PLACED IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.
2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CLSM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS FOR CLSM AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL. THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE LIME MODIFIED SOIL LAYER OR THE AGGREGATE BASE COURSE.

CONTROLLED LOW-STRENGTH MATERIAL DETAIL



NOTE:
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.

CONCRETE COLLAR DETAILS

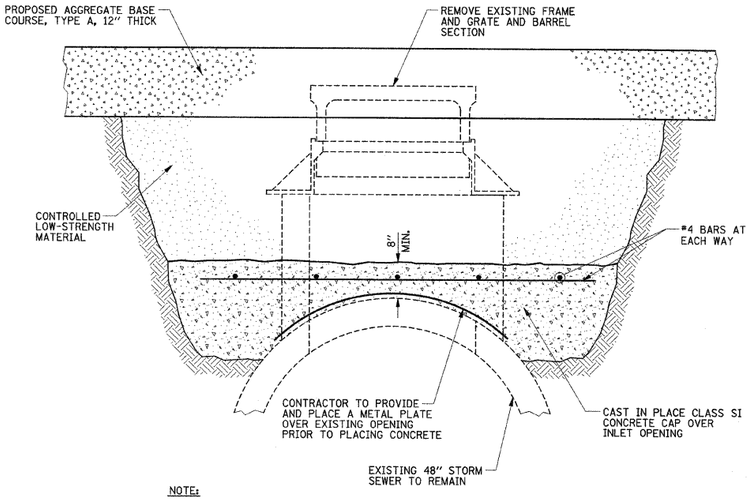
ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING FIELD TILE, CONCRETE COLLAR, PIPE UNDERDRAIN CLEANOUT, AND CONTROLLED LOW-STRENTGH MATERIAL DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	162
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

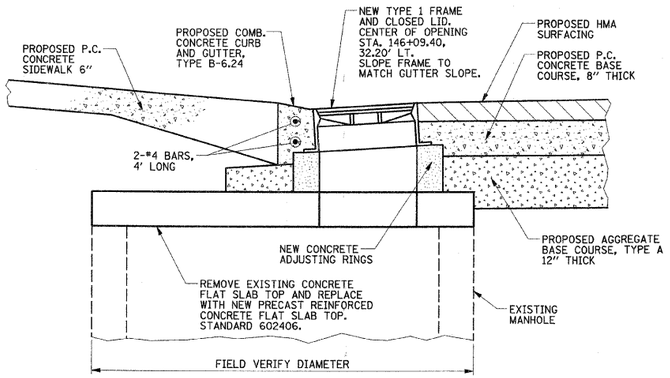


NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE INLET, SPECIAL, WHICH PRICE SHALL INCLUDE EXCAVATION, REMOVING THE FRAME AND GRATE AND BARREL SECTION, AND CONSTRUCTING THE CONCRETE CAP WITH THE METAL PLATE AND REINFORCEMENT BARS. THE AGGREGATE BASE COURSE AND THE CONTROLLED LOW-STRENGTH MATERIAL WILL BE PAID FOR SEPARATELY.

REMOVE INLET, SPECIAL DETAIL

STA. 146+10.10 RT.

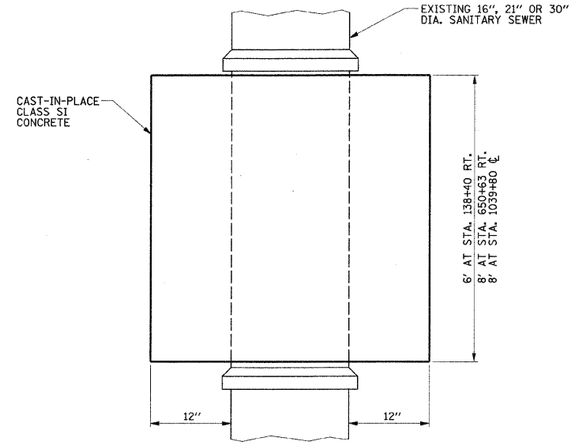


NOTE:

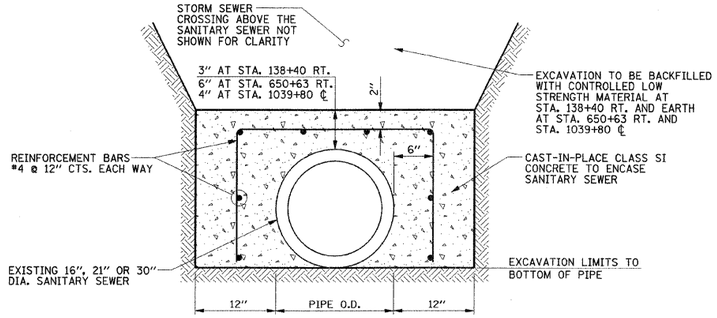
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLES TO BE RECONSTRUCTED (SPECIAL), WHICH PRICE SHALL INCLUDE ALL EXCAVATION, REMOVAL OF THE EXISTING FLAT SLAB TOP AND FRAMES AND GRATES, NEW FLAT SLAB TOP, FRAME AND GRATE, ADJUSTING RINGS, REINFORCEMENT BARS, AND BACKFILLING.

MANHOLE TO BE RECONSTRUCTED (SPECIAL) DETAIL

STA. 146+09.4, 32.2' LT.



PLAN



SECTION

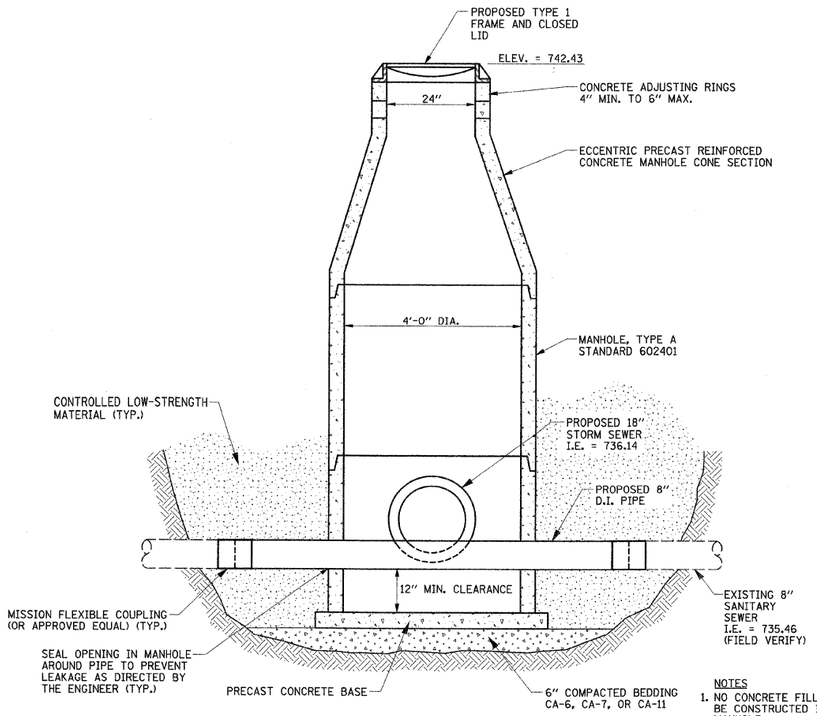
NOTES:

1. THE CONCRETE ENCASEMENT SHALL BE CONSTRUCTED PRIOR TO INSTALLING THE STORM SEWER PIPE TO PREVENT DAMAGE TO THE SANITARY SEWER.
2. THE COST OF CONSTRUCTING THE CONCRETE ENCASEMENTS OF VARIOUS SIZES AND LENGTHS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CONCRETE ENCASEMENT. THE WORK SHALL INCLUDE THE EXCAVATION, CONCRETE, REINFORCEMENT BARS AND EARTH BACKFILL. THE CONTROLLED LOW STRENGTH MATERIAL WILL BE PAID FOR SEPARATELY.

CONCRETE ENCASEMENT DETAIL

(FOR STORM SEWER AND SANITARY SEWER CROSSING)

STA. 138+40 RT.
STA. 650+63 RT.
STA. 1039+80 ℄



NOTES

1. NO CONCRETE FILLET SHALL BE CONSTRUCTED IN THE MANHOLE.
2. MANHOLE STEPS WILL NOT BE REQUIRED

MANHOLE, SPECIAL DETAIL

CONFLICT MANHOLE STA. 138+78.5 RT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONFLICT MANHOLE, CONCRETE ENCASEMENT AND MISCELLANEOUS DRAINAGE DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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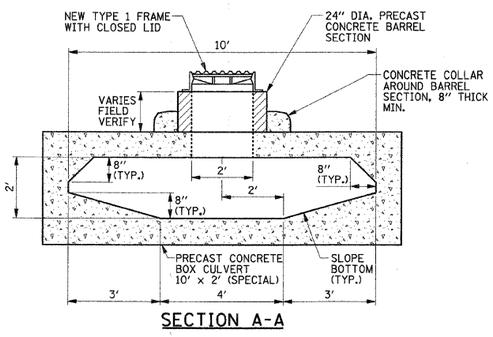
10/2/2008 9:32:08 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	163
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(00D)		

CONTRACT NO. 91368

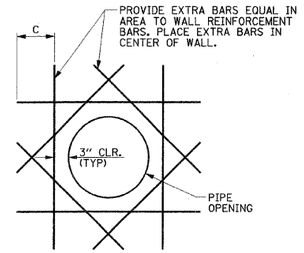
NOTES:

1. THE PRECAST CONCRETE BOX CULVERT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 540 OF THE STANDARD SPECIFICATIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE BOX CULVERT AND THE END SECTIONS.
2. THE LENGTHS OF THE CULVERT SECTIONS AND BENDS SHALL BE DETERMINED BY THE MANUFACTURER. THE EXACT STATIONS AND OFFSETS SHOWN FOR THE ENDS AND BENDS OF THE CULVERT AND THE ACCESS OPENINGS MAY BE SLIGHTLY ADJUSTED WITH THE APPROVAL OF THE ENGINEER AND SHALL BE SHOWN ON THE SHOP DRAWINGS.
3. THE 24" DIAMETER ACCESS OPENINGS SHALL HAVE EXTRA REINFORCEMENT AS SHOWN ON THE DETAIL "BOX CULVERT PIPE OPENING REINFORCEMENT". THE ACCESS OPENINGS SHALL BE DETAILED ON THE SHOP DRAWINGS.
4. THE SPECIAL CROSS SECTION SHAPE FOR THE BOX CULVERT WILL NOT BE REQUIRED FOR THE END SECTIONS. NON-SHRINK GROUT SHALL BE USED IN THE UPSTREAM END SECTION TO TRANSITION THE BOTTOM HAUNCH SHAPE TO MATCH THE BOTTOM HAUNCHES OF THE BOX CULVERT.
5. THE COST OF CONSTRUCTING THE SPECIAL BOX CULVERT SHAPE, BENDS IN THE CULVERT, ACCESS OPENINGS, ADDITIONAL REINFORCEMENT, CONCRETE BARREL SECTIONS, CONCRETE COLLARS, AND FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERT.



SECTION A-A

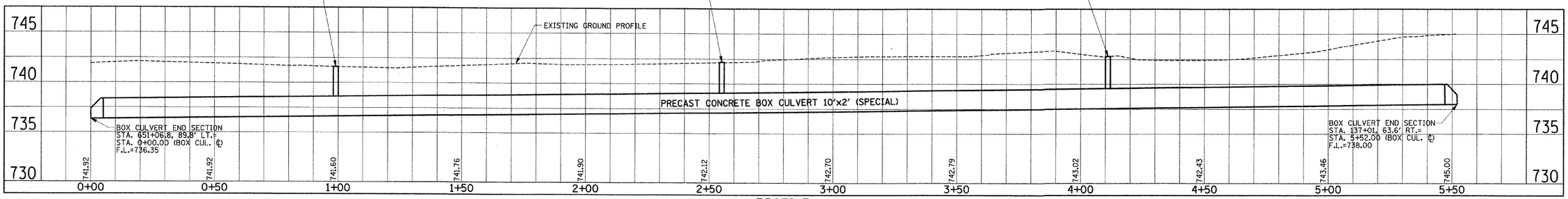
PLAN



NOTES:

1. C = THE REQUIRED LENGTH FOR LAPPED SPLICES FOR BARS OR STANDARD HOOK IF FULL LAP LENGTH IS NOT POSSIBLE.
2. THE COST OF THE PIPE OPENINGS AND EXTRA REINFORCEMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERT.

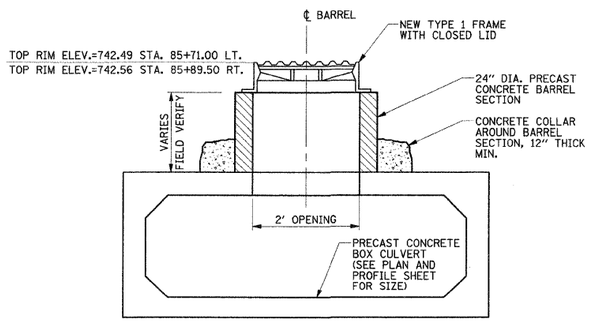
BOX CULVERT PIPE OPENING REINFORCEMENT DETAIL



PROFILE

P.C. BOX CULVERT 10' x 2' (SPECIAL) DETAIL

SCALE : 1"=20' HOR.
1"=5' VERT.



NOTES:

1. THE 24" DIAMETER ACCESS OPENINGS SHALL HAVE EXTRA REINFORCEMENT AS SHOWN ON THE DETAIL "BOX CULVERT PIPE OPENING REINFORCEMENT". THE ACCESS OPENINGS SHALL BE DETAILED ON THE SHOP DRAWINGS.
2. THE COST OF CONSTRUCTING THE BOX CULVERTS WITH ACCESS OPENINGS, ADDITIONAL REINFORCEMENT, CONCRETE BARREL SECTIONS, CONCRETE COLLARS, AND FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERTS.

P.C. BOX CULVERT ACCESS OPENING DETAIL

STA. 85+71.00, 73.47' LT. AND STA. 85+89.50, 72.52' RT.

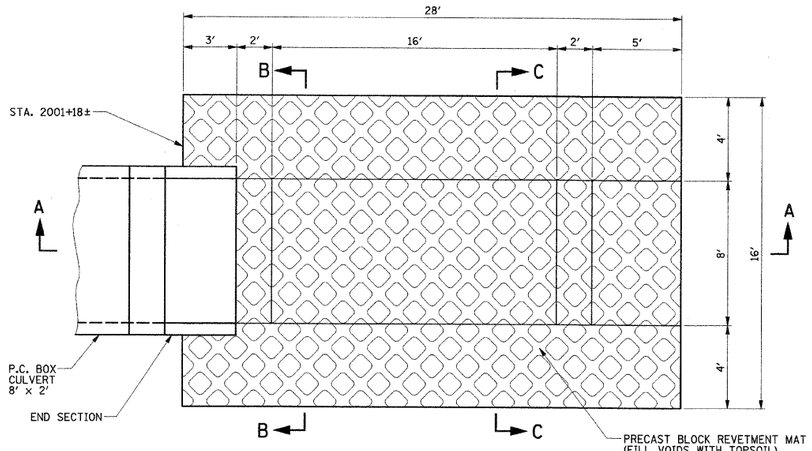
ILLINOIS DEPARTMENT OF TRANSPORTATION

P.C. BOX CULVERT DETAILS

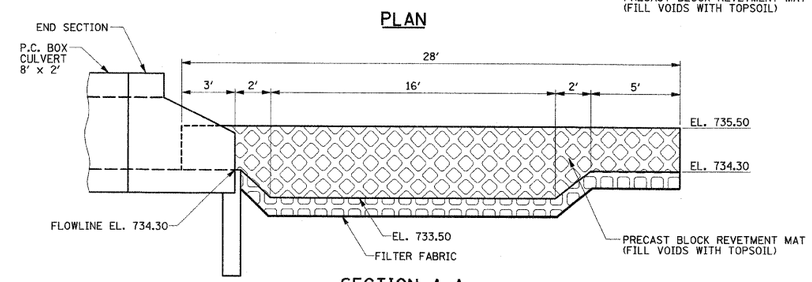
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	164
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

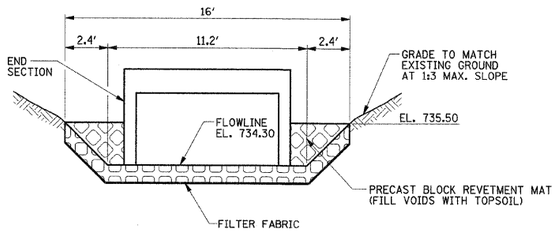
CONTRACT NO. 91368



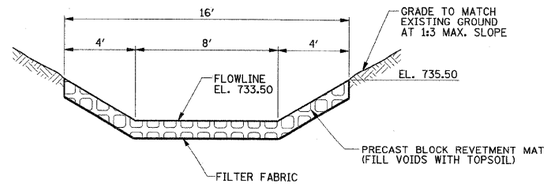
PLAN



SECTION A-A



SECTION B- B

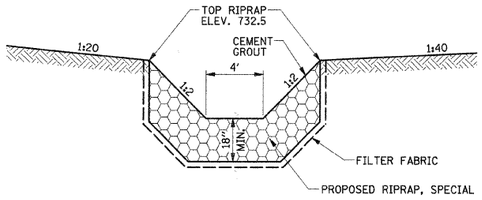


SECTION C-C

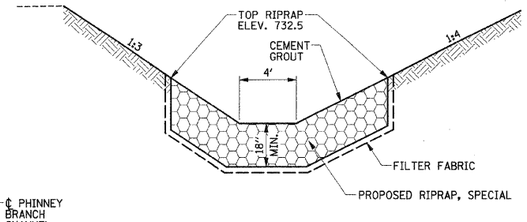
NOTES:

1. THE PRECAST BLOCK REVETMENT MAT SHALL BE ARMORFLEX, CLASS 30S, AS MANUFACTURED BY ARMORTEC OR APPROVED EQUAL. THE BLOCKS SHALL HAVE OPEN CELLS, 4.5 INCH MINIMUM HEIGHT AND HAVE A MINIMUM WEIGHT OF 32 POUNDS PER SQAURE FOOT.
2. THE PRECAST BLOCK REVETMENT MAT SHALL BE IN ACCORDANCE WITH SECTION 285 OF THE STANDARD SPECIFICATIONS. THE FILTER FABRIC SHALL BE IN ACCORDANCE WITH SECTION 282 OF THE STANDARD SPECIFICATIONS.
3. THE BLOCK MAY BE CUT OR GAPPED AROUND THE END SECTION OR TO SHAPE THE STILLING BASIN. GAPS AROUND THE END SECTION OR FOR IRREGULAR JOINTS SHALL BE FILLED WITH CONCRETE AS DIRECTED BY THE ENGINEER. THE COST OF THE CONCRETE WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PRECAST BLOCKS.

PRECAST BLOCK REVETMENT MAT DETAIL
(STILLING BASIN)



SECTION B-B



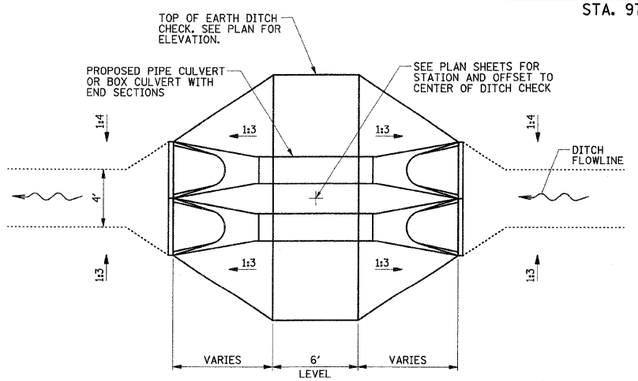
SECTION A-A

NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR RIPRAP, SPECIAL, WHICH PRICE SHALL INCLUDE ALL MATERIALS, INCLUDING EXCAVATION, RIPRAP, FILTER FABRIC, GROUT, AND LABOR NECESSARY TO COMPLETE THE WORK. SECTION 282 OF THE STANDARD SPECIFICATIONS IS HEREBY REVISED THAT FILTER FABRIC IS NOT TO BE PAID FOR SEPARATELY, BUT INCLUDED IN THE PRICE FOR THE RIPRAP, SPECIAL AS NOTED HEREIN.

PLAN

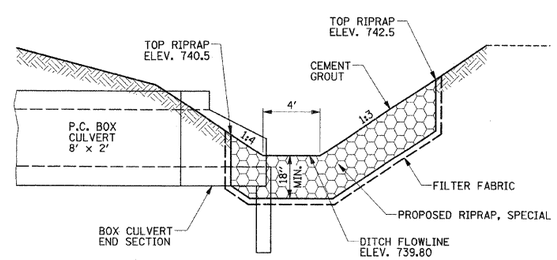
RIPRAP, SPECIAL DETAIL
STA. 97+90 LT.



NOTE:

SEE PLAN AND PROFILE SHEETS FOR DITCH CHECK LOCATIONS. THE COST OF CONSTRUCTING THE SPECIAL DITCH CHECK SHALL BE PAID AT THE CONTRACT UNIT PRICE EACH.

SPECIAL DITCH CHECK DETAIL



RIPRAP, SPECIAL DETAIL
STA. 131+00 RT.

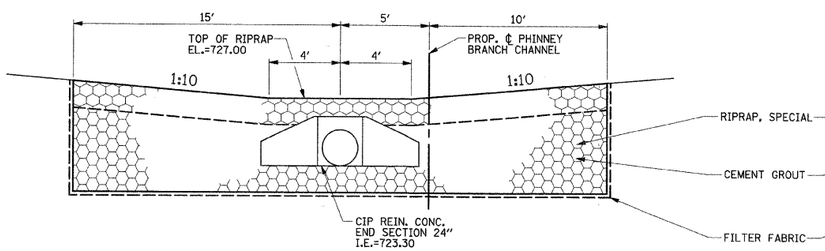
ILLINOIS DEPARTMENT OF TRANSPORTATION

PRECAST BLOCK REVETMENT MAT, SPECIAL DITCH CHECK, AND RIPRAP, SPECIAL DETAILS

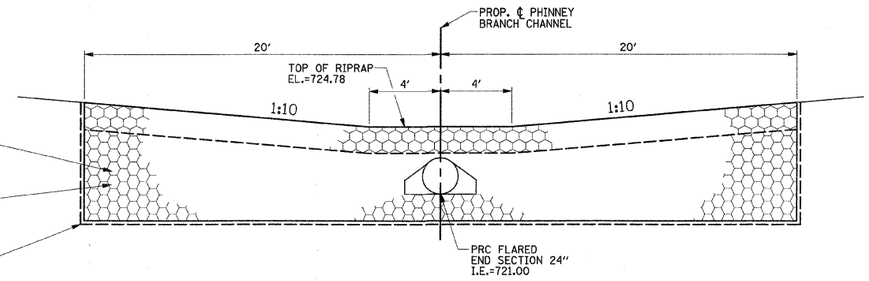
DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	165
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

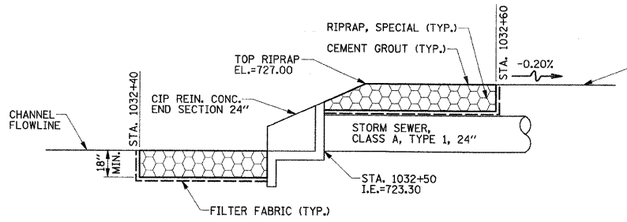
CONTRACT NO. 91368



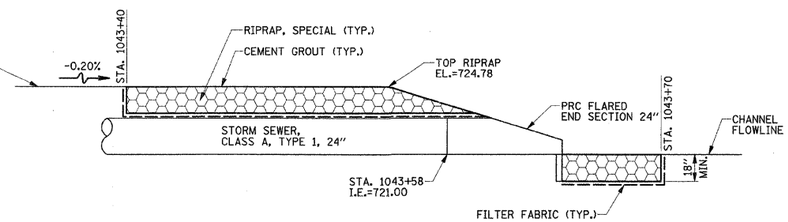
SECTION A-A



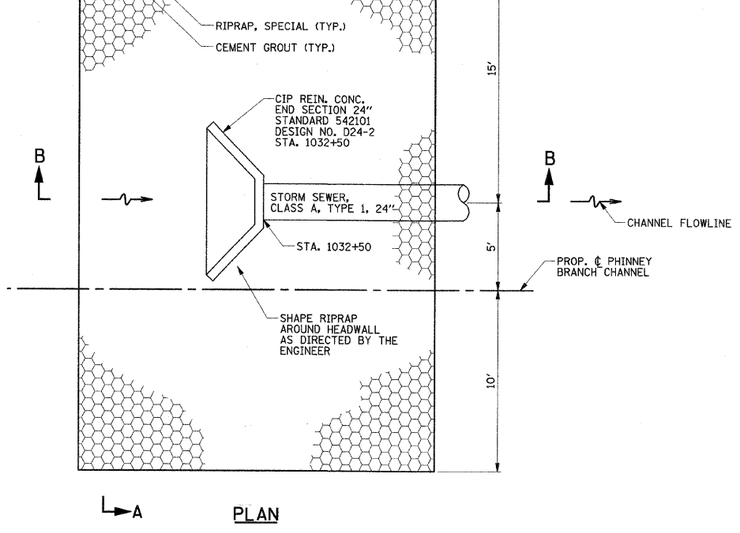
SECTION C-C



SECTION B-B

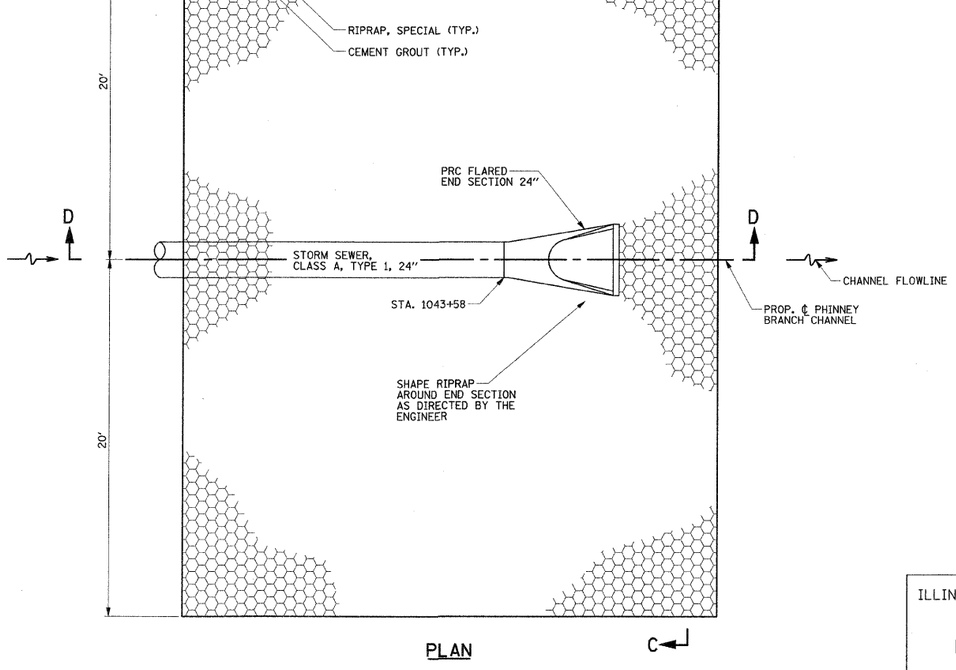


SECTION D-D



PLAN

RIPRAP, SPECIAL DETAIL
STA. 1032+50



PLAN

RIPRAP, SPECIAL DETAIL
STA. 1043+58

ILLINOIS DEPARTMENT OF TRANSPORTATION

RIPRAP, SPECIAL DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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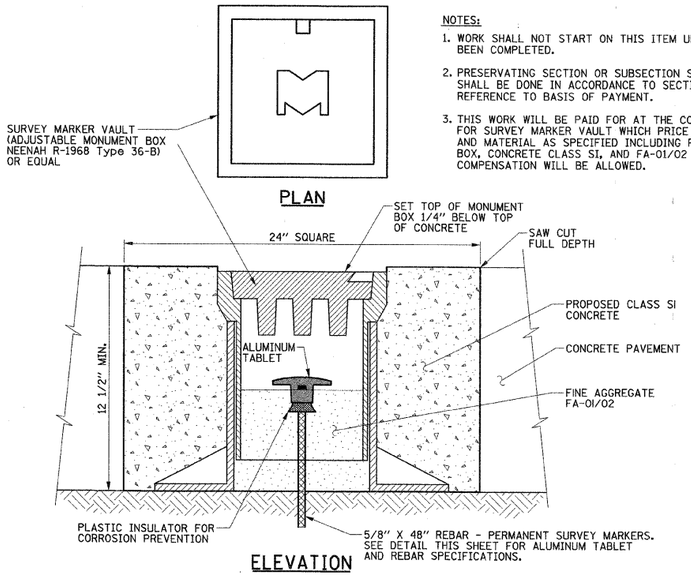
10/2/2008 9:32:10 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	166
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

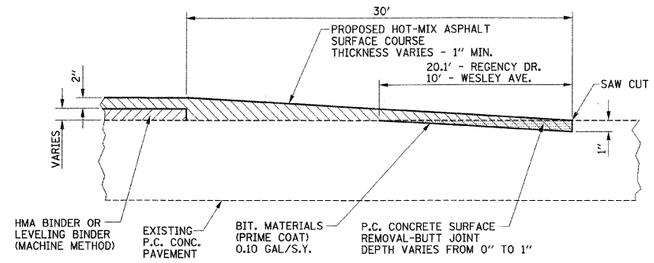
CONTRACT NO. 91368



NOTES:

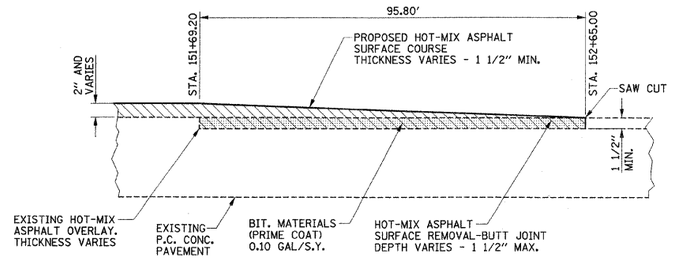
1. WORK SHALL NOT START ON THIS ITEM UNTIL THE P.C.C. CONCRETE HAS BEEN COMPLETED.
2. PRESERVATING SECTION OR SUBSECTION STONES AND OTHER MARKERS SHALL BE DONE IN ACCORDANCE TO SECTIONS 667 AND 668. DELETE REFERENCE TO BASIS OF PAYMENT.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING PAVEMENT REMOVAL, MONUMENT BOX, CONCRETE CLASS SI, AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SURVEY MARKER VAULT DETAIL



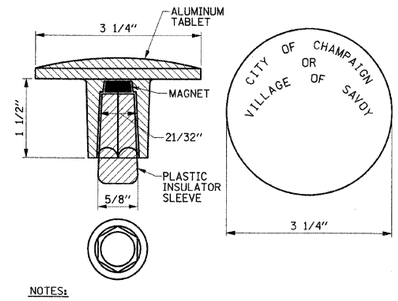
P.C. CONCRETE BUTT-JOINT DETAIL

STA. 146+46.70 LT. REGENCY DR.
STA. 146+46.70 RT. WESLEY AVE.



HOT-MIX ASPHALT BUTT-JOINT DETAIL

STA. 151+69.20 TO STA. 152+65.00



SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3-1/4-INCH CONVEX SURVEY CAP FOR 5/8-INCH REBAR WITH CITY OF CHAMPAIGN OR VILLAGE OF SAVOY LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 0.031 (1/32) INCH FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD.

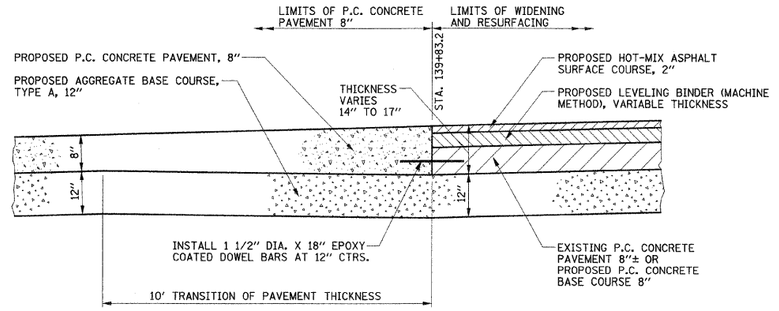
THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1-1/2-INCH LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION:	ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%.
STRENGTH:	YIELD 28 KSI, ULTIMATE 32 KSI.
ELONGATION:	15% (IN TWO INCHES).
SPECIFICATIONS: (EXCEPT TEMPER)	ALUMINUM ALLOY 6101-O; ASTM B317-83 AS FORGED. NO EXCEPTIONS.

NOTES:

1. ALUMINUM TABLET SHALL BE SET WITH A 5/8" X 48" REBAR.
2. REFERENCING OF THE EXISTING SURVEY MARKER AND SETTING AND MARKING THE PROPOSED SURVEY MARKER SHALL BE DONE BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH SECTIONS 667 AND 668 OF THE STANDARD SPECIFICATIONS. DELETE REFERENCE TO BASIS OF PAYMENT.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT SURVEY MARKERS WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED, INCLUDING SETTING AND MARKING THE SURVEY MARKER BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PERMANENT SURVEY MARKER DETAIL



NOTE:

THE COST OF CONSTRUCTING THE INCREASED THICKNESS OF P.C. CONCRETE PAVEMENT SHALL BE INCLUDED IN THE COST OF THE P.C. CONCRETE PAVEMENT 8" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

P.C. CONCRETE PAVEMENT THICKNESS TRANSITION

STA. 139+73 TO STA. 139+83.2

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT TRANSITION AND SURVEY MARKER DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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

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

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10/31/2008
8:05:43 AM

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY

CURTIS ROAD

SHEET 167 OF 242 SHEETS C01401

PROPOSED ℄ CURTIS RD.

LIME MODIFIED SOIL 12"
STA. 61+00.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

P.G.L.-6' LT.
751.48

P.G.L.-6' RT.
751.48

1/16

T.O.E.

EXIST. ROW

SECTION LINE

LIMITS OF 12" THICK
TOPSOIL EXCAVATION (TYP.)

2"GAS

16"WATER

30"SS

12"SS

UI 8"GAS

STAGE 6
C=4
F=19
TOPSOIL EXCAVATION=41

BEGIN PROJECT
BEGIN IMPROVEMENT
BEGIN EARTHWORK STAGE 6
STA. 61+00.00

61 + 00.00

60 + 50.00

60 + 25.00

59 + 75.82

59 + 19.50

755
750
745
740

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

CURTIS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	167
STA. 59+19.50	TO STA. 61+00.00			

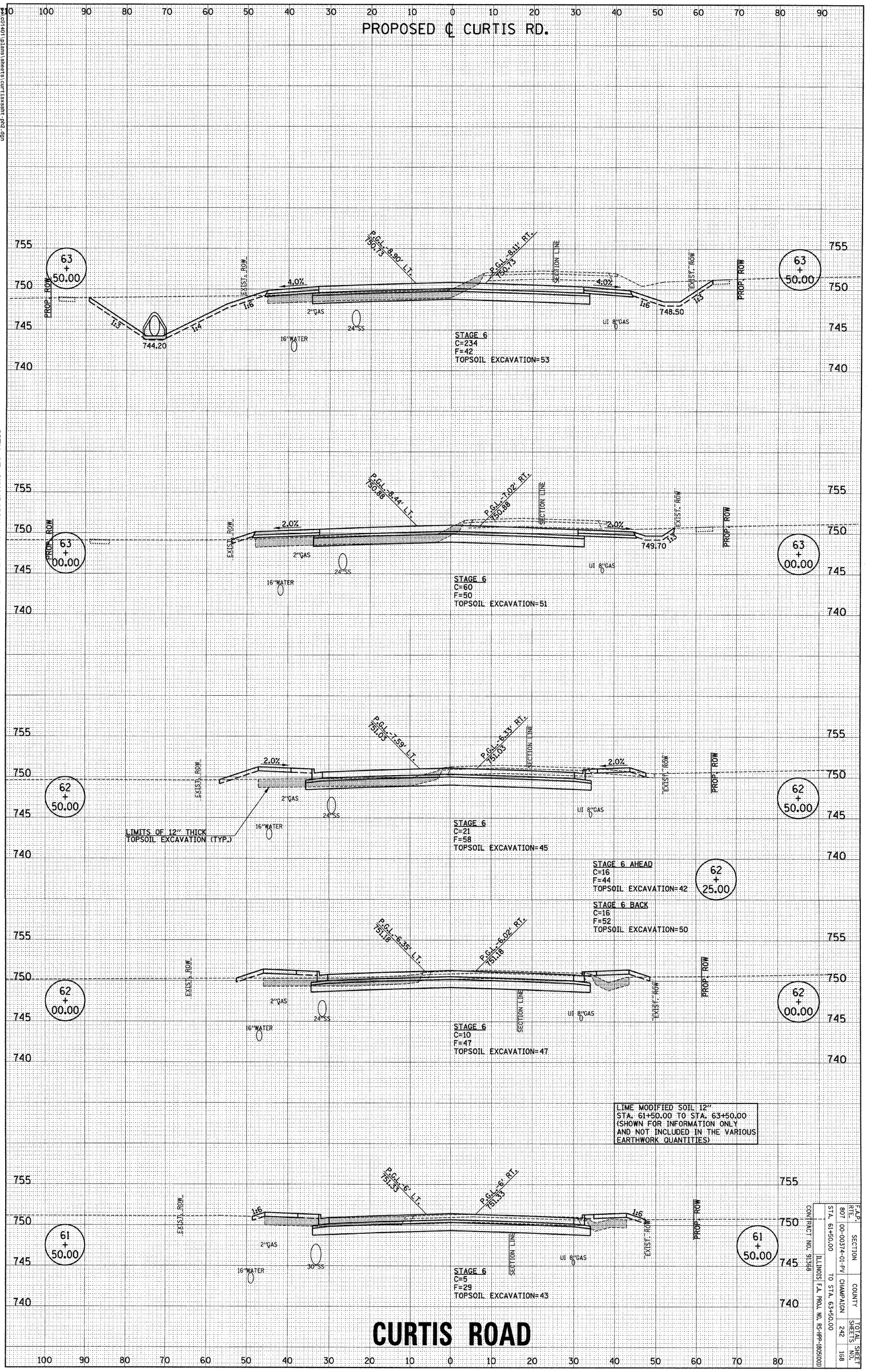
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)

CONTRACT NO. 91368

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

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

PROPOSED ℄ CURTIS RD.



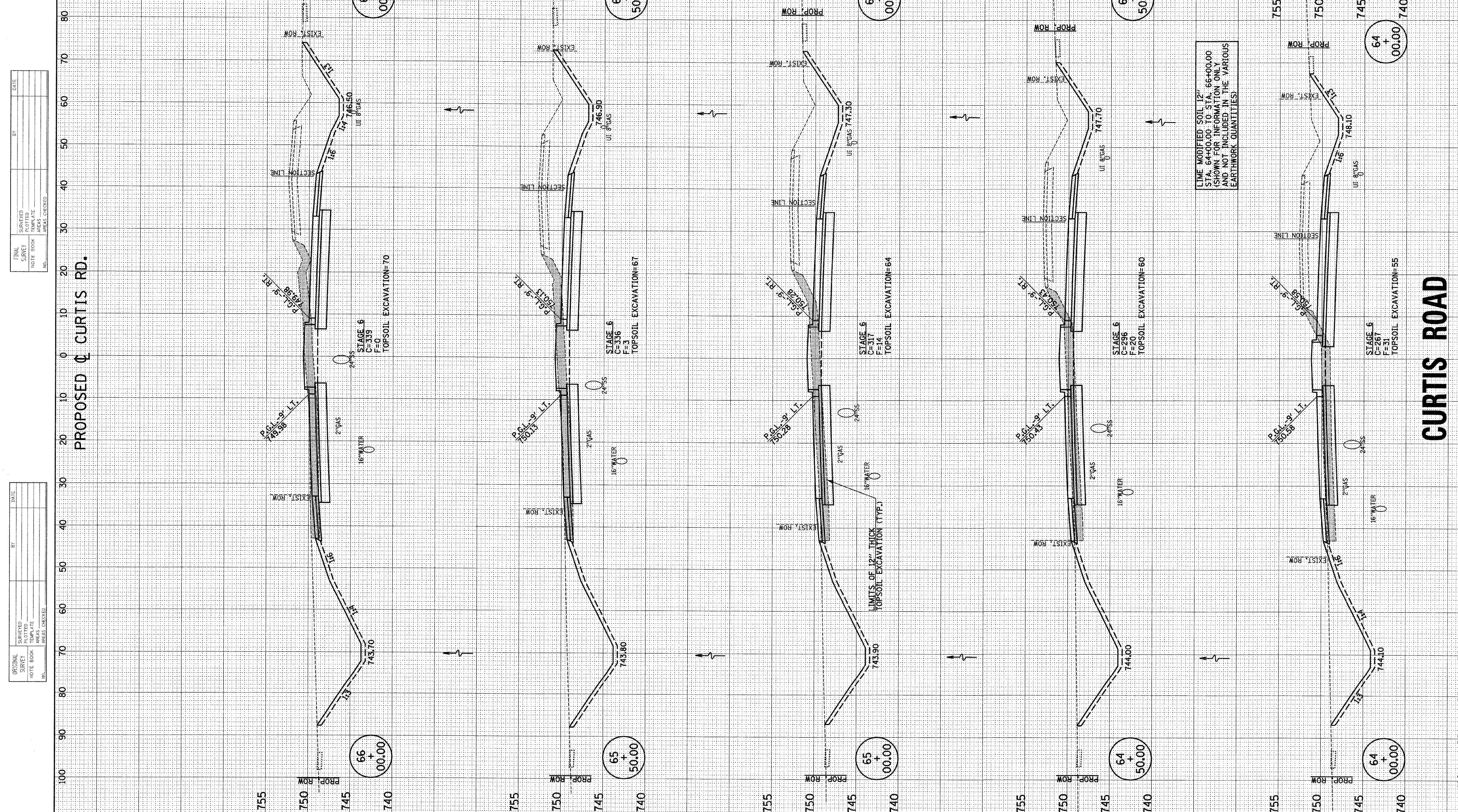
CURTIS ROAD

CONTRACT NO. 91368	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS F.A. PROJ. NO. RS-HPP-1809(001)	807	00-00374-01-PV	CHAMPAIGN	242	168
	STA. 61+50.00	TO STA. 63+50.00			

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 168 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	169
STA. 64+00.00	TO STA. 66+00.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368



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ORIGINAL SURVEY		BY	DATE
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NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY

SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY

CURTIS ROAD

SHEET 170 OF 242 SHEETS C01401

PROPOSED ℄ CURTIS RD.

69 + 00.00

PROP. ROW — EXIST. ROW — SECTION LINE

P.G.L.-9' LT. 749.08 — P.G.L.-9' RT. 749.08

1:3 — 1:4 — 1:6 — 1:6 — 1:4 — 1:3

743.10 — 745.09

2"GAS — 16"WATER — (UI) 8"GAS

STAGE 6
C=164
F=175
TOPSOIL EXCAVATION=82

68 + 50.00

P.G.L.-9' LT. 749.23 — P.G.L.-9' RT. 749.23

743.20 — 745.25

2"GAS — 16"WATER — (UI) 8"GAS

STAGE 6
C=188
F=153
TOPSOIL EXCAVATION=81

68 + 00.00

P.G.L.-9' LT. 749.38 — P.G.L.-9' RT. 749.38

743.30 — 745.39

LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)

2"GAS — 16"WATER — 24"SS — (UI) 8"GAS

STAGE 6
C=244
F=100
TOPSOIL EXCAVATION=80

67 + 50.00

P.G.L.-9' LT. 749.53 — P.G.L.-9' RT. 749.53

743.40 — 745.54

2"GAS — 16"WATER — 24"SS — (UI) 8"GAS

STAGE 6
C=307
F=1
TOPSOIL EXCAVATION=78

LIME MODIFIED SOIL 24"
STA. 67+00.00 (AHEAD) TO STA. 69+00.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

67 + 00.00

P.G.L.-9' LT. 749.68 — P.G.L.-9' RT. 749.68

743.50 — 745.70

2"GAS — 16"WATER — 24"SS — (UI) 8"GAS

STAGE 6
C=342
F=0
TOPSOIL EXCAVATION=77

LIME MODIFIED SOIL 12"
STA. 66+50.00 TO STA. 67+00.00 (BACK)
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

66 + 50.00

P.G.L.-9' LT. 749.83 — P.G.L.-9' RT. 749.83

1:3 — 1:4 — 1:6 — 1:6 — 1:4 — 1:3

743.60 — 746.10

2"GAS — 16"WATER — 24"SS — (UI) 8"GAS

STAGE 6
C=325
F=0
TOPSOIL EXCAVATION=74

CURTIS ROAD

CONTRACT NO. 91388

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	170

STA. 66+50.00 TO STA. 69+00.00

ILLINOIS F.A. PROJ. NO. TS-HPP-1805(000)

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

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 171 OF 242 SHEETS C01401

PROPOSED ℄ CURTIS RD.

71 + 88.00

PROP. ROW — 1:3 — VARIES — 1:6 — 742.52 — EXIST. ROW — P.G.L.-9' LT. 748.22 — P.G.L.-9' RT. 748.22 — 16"WATER — 1:6 — SECTION LINE — 1:4 — 744.23 — 1:3 — (U) 8"GAS — EXIST. ROW

STAGE 5
C=227
F=10
TOPSOIL EXCAVATION=85

71 + 62.50

STAGE 5 AHEAD
C=220
F=21
TOPSOIL EXCAVATION=82

STAGE 6 BACK
C=220
F=21
TOPSOIL EXCAVATION=82

71 + 50.00

PROP. ROW — 1:6 — 742.60 — EXIST. ROW — P.G.L.-9' LT. 748.33 — P.G.L.-9' RT. 748.33 — 16"WATER — SECTION LINE — 744.34 — (U) 8"GAS — EXIST. ROW

STAGE 6
C=214
F=73
TOPSOIL EXCAVATION=82

71 + 00.00

PROP. ROW — 742.70 — EXIST. ROW — P.G.L.-9' LT. 748.48 — P.G.L.-9' RT. 748.48 — 16"WATER — SECTION LINE — 744.49 — (U) 8"GAS — EXIST. ROW

STAGE 6
C=177
F=112
TOPSOIL EXCAVATION=82

LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)

70 + 50.00

PROP. ROW — 742.80 — EXIST. ROW — P.G.L.-9' LT. 748.63 — P.G.L.-9' RT. 748.63 — 16"WATER — SECTION LINE — 744.64 — (U) 8"GAS — EXIST. ROW

STAGE 6
C=172
F=118
TOPSOIL EXCAVATION=82

70 + 00.00

PROP. ROW — 742.90 — EXIST. ROW — P.G.L.-9' LT. 748.78 — P.G.L.-9' RT. 748.78 — 16"WATER — SECTION LINE — 744.79 — (U) 8"GAS — EXIST. ROW

STAGE 6
C=167
F=133
TOPSOIL EXCAVATION=82

LIME MODIFIED SOIL 24"
STA. 69+50.00 TO STA. 71+88.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

69 + 50.00

PROP. ROW — 1:3 — 1:4 — 1:6 — 743.00 — EXIST. ROW — P.G.L.-9' LT. 748.93 — P.G.L.-9' RT. 748.93 — 2"GAS — 16"WATER — SECTION LINE — 1:6 — 1:4 — 744.94 — 1:3 — (U) 8"GAS — EXIST. ROW

STAGE 6
C=167
F=162
TOPSOIL EXCAVATION=82

69 + 50.00

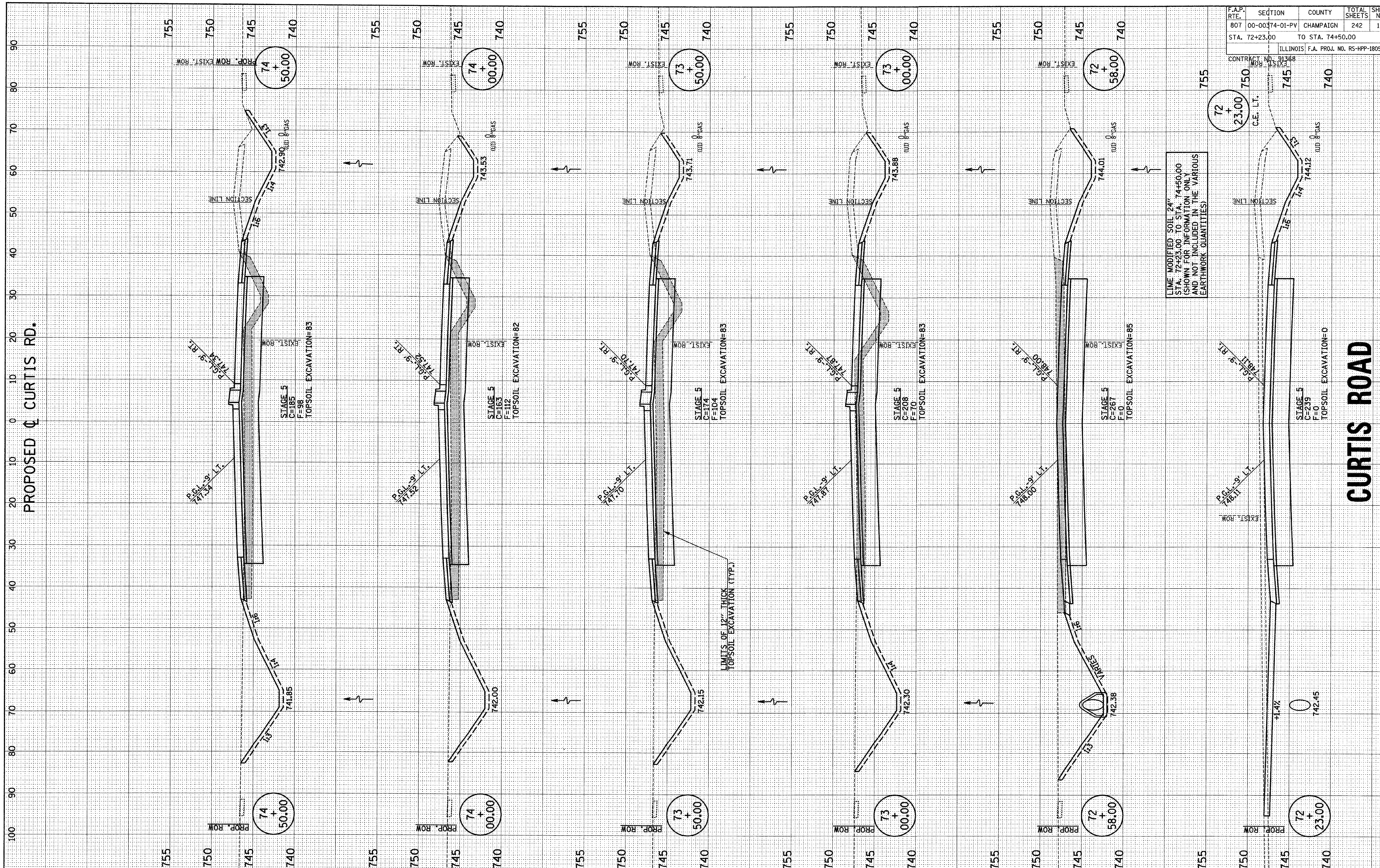
CURTIS ROAD

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	171
STA. 69+50.00	TO STA. 71+88.00	ILLINOIS F.A. PROJ. NO. RS-HPP-1805(003)		

CONTRACT NO. 91368

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	172
STA. 72+23.00	TO STA. 74+50.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



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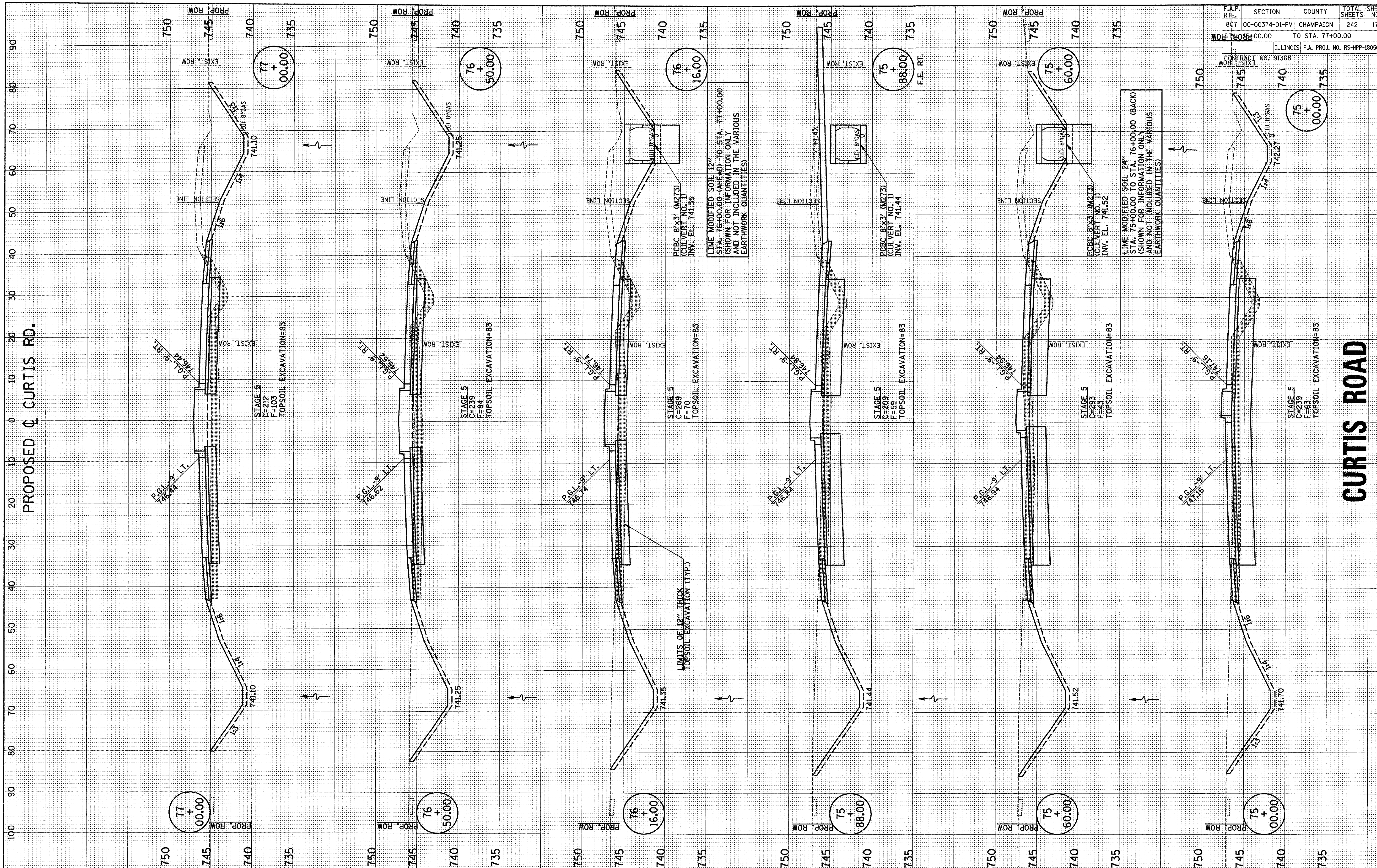

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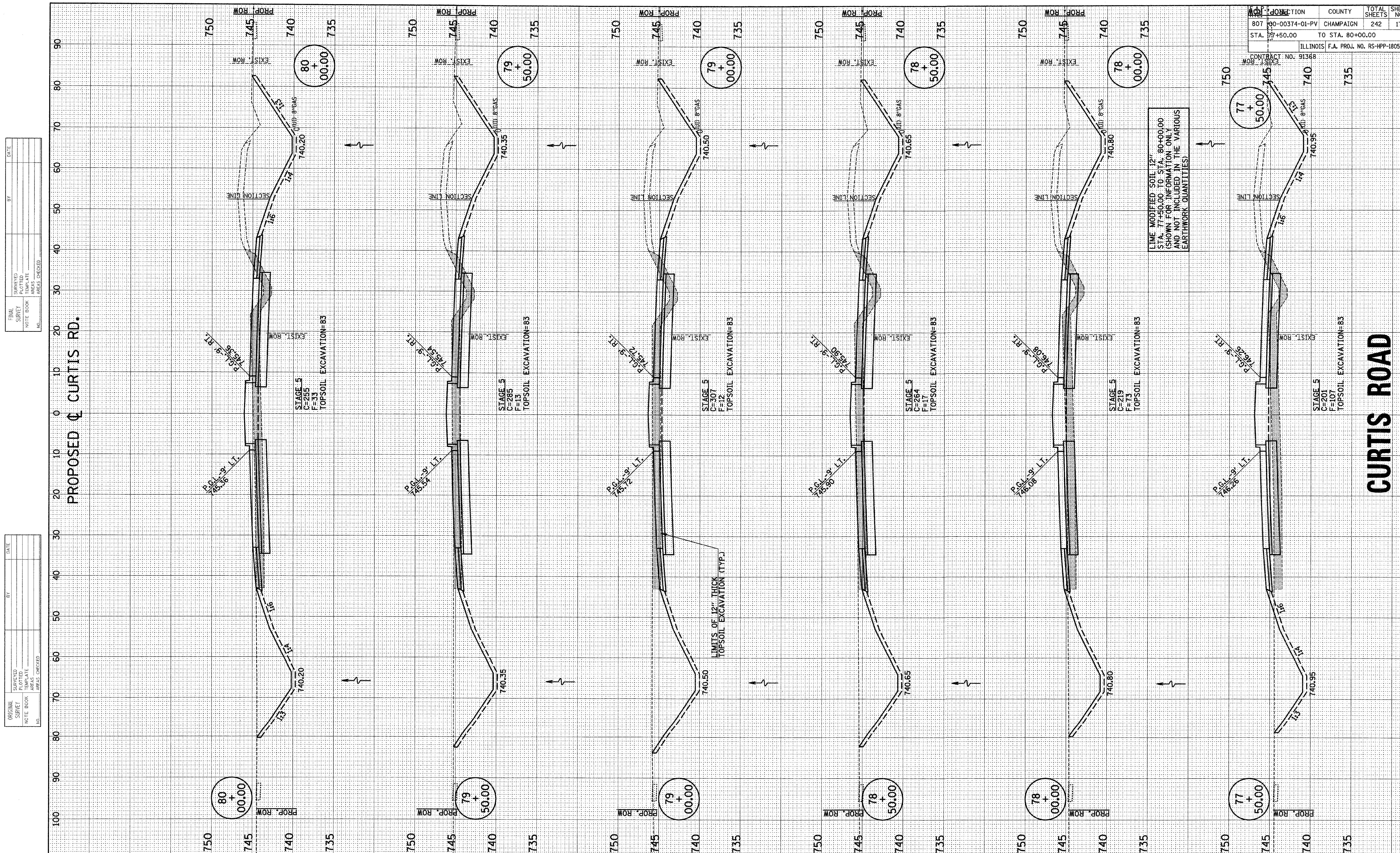
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	174
STA. 77+50.00	TO STA. 80+00.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(00)	

CONTRACT NO. 91368



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	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

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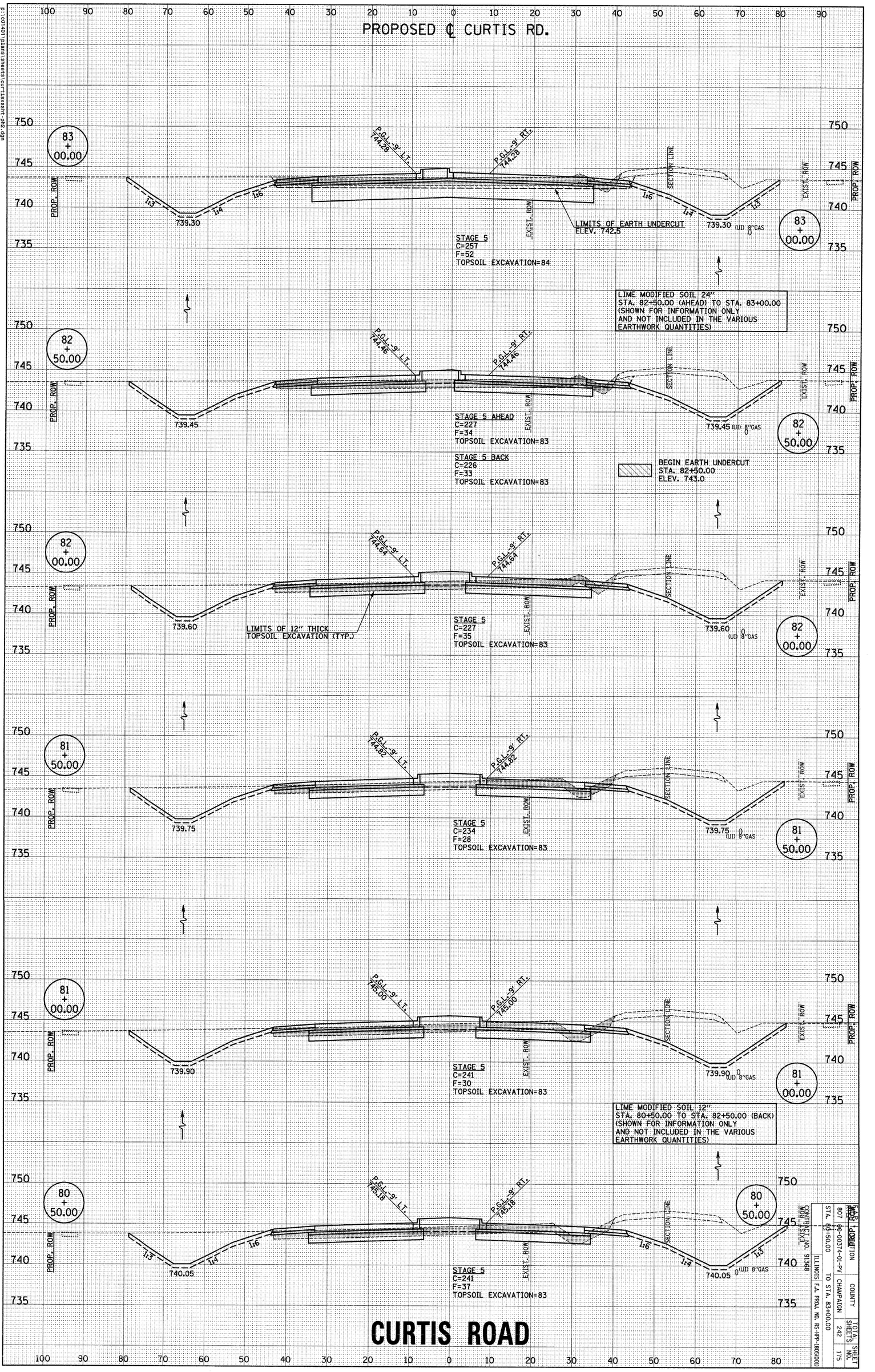
CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY

CURTIS ROAD

SHEET 175 OF 242 SHEETS CD1401

PROPOSED ℄ CURTIS RD.

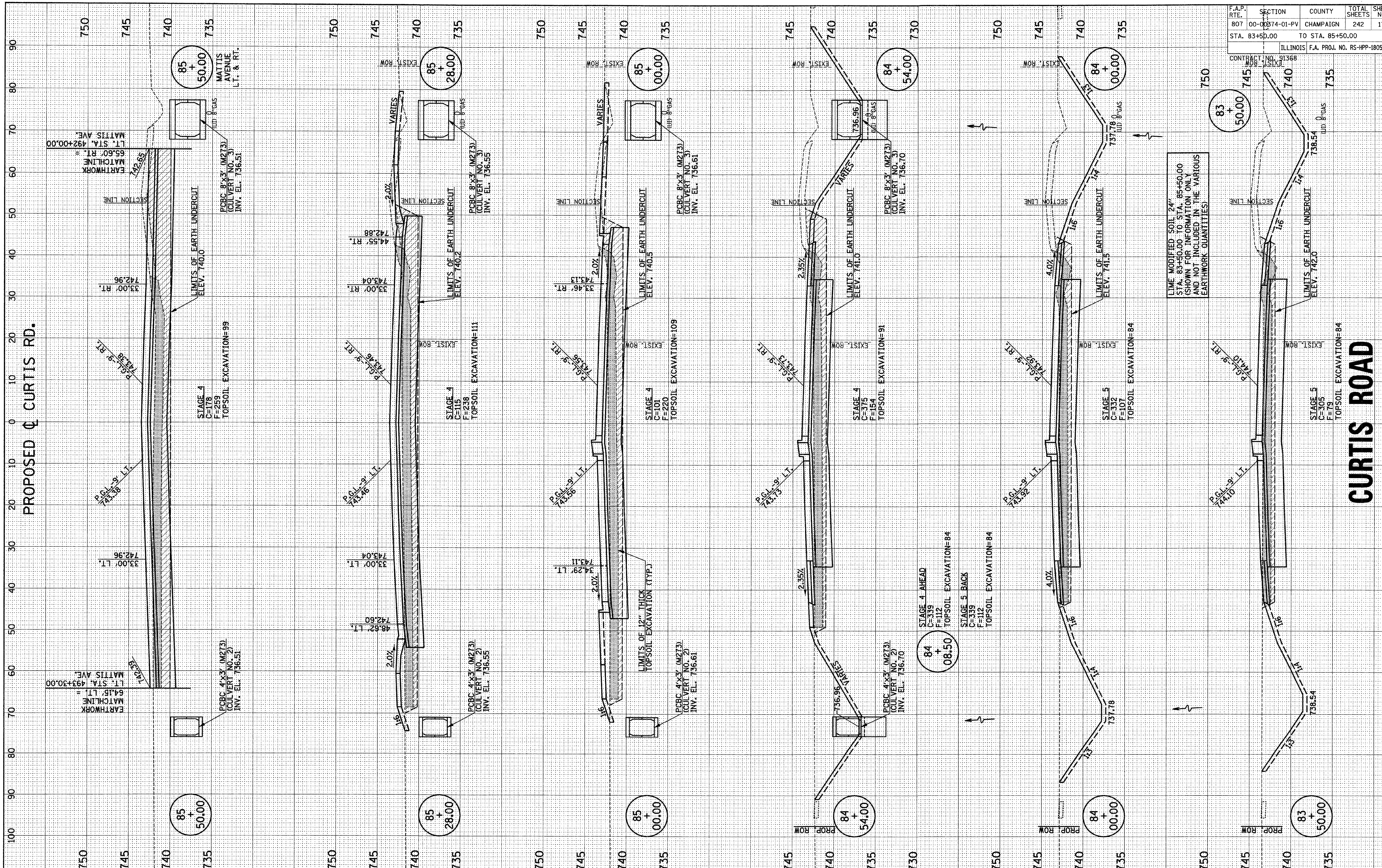


CURTIS ROAD

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807 00-00374-01-PV	CHAMPAIGN	242	175
STA. 80+50.00 TO STA. 83+00.00	ILLINOIS F.A. PROJ. NO. RS-HPP-1805(00)	CONTRACT NO. 91588	

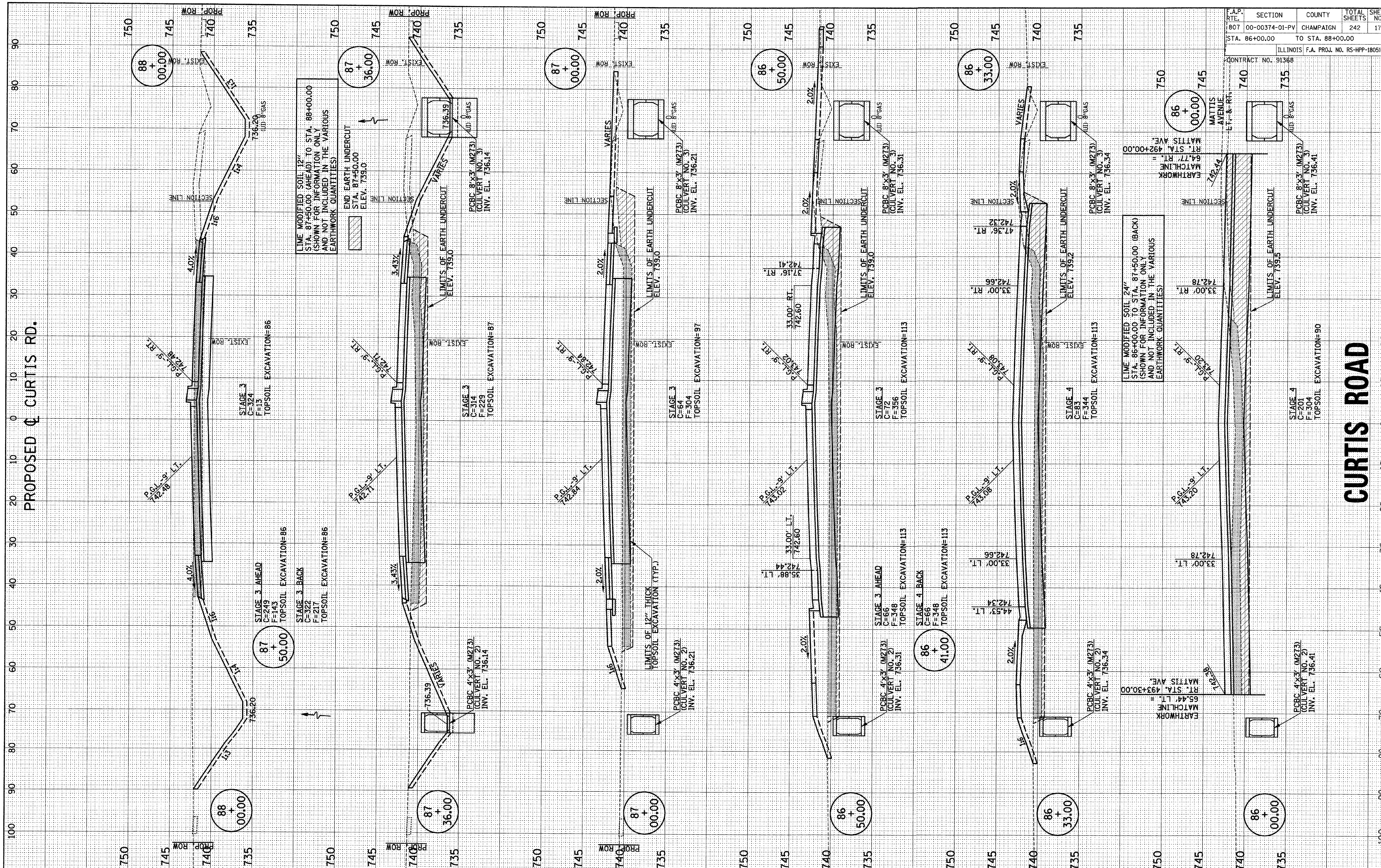
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	176
STA. 83+50.00	TO STA. 85+50.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	177
STA. 86+00.00	TO STA. 88+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

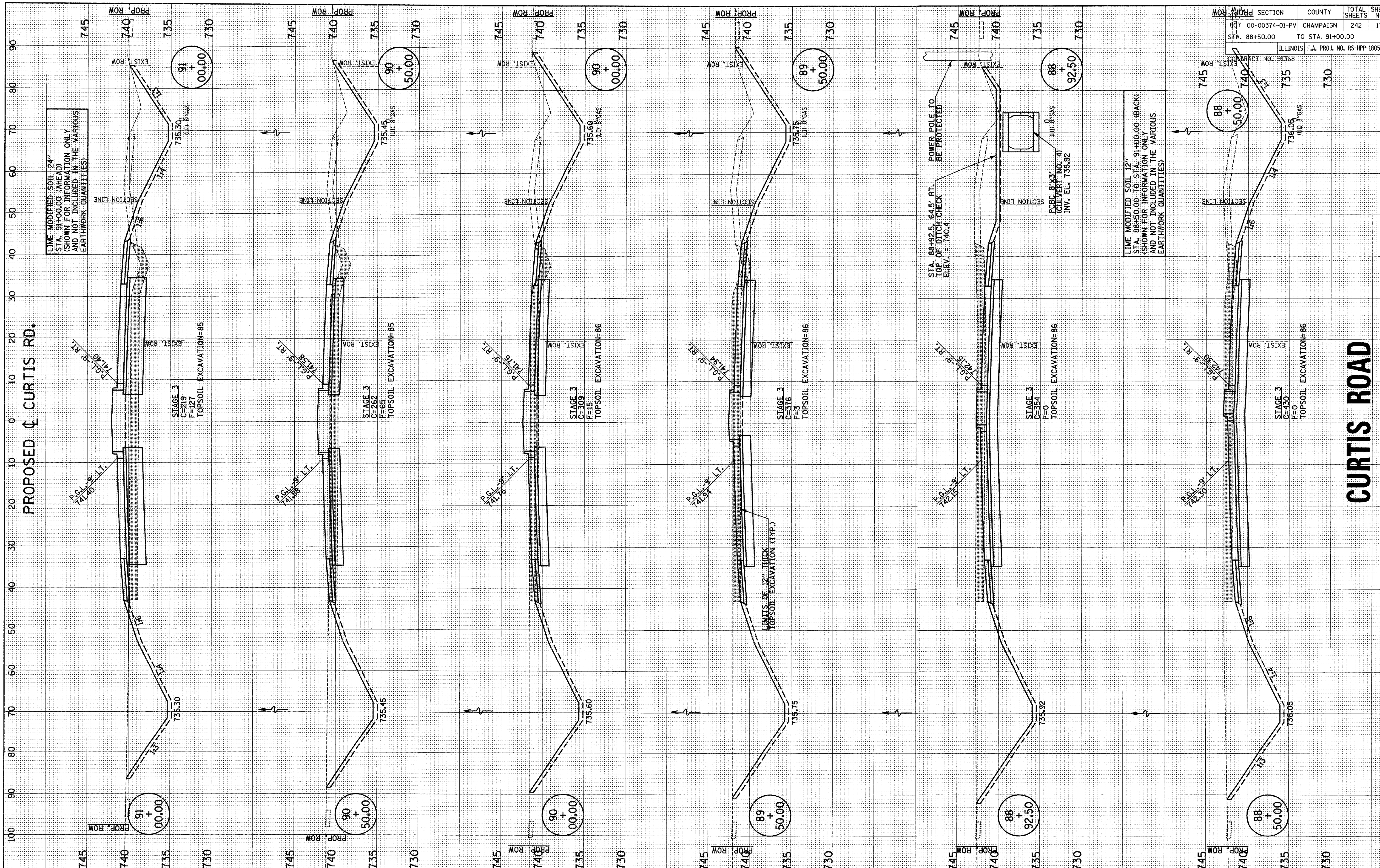


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	178
STA. 88+50.00	TO STA. 91+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

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

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



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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	179
STA. 91+50.00	TO STA. 94+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

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

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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
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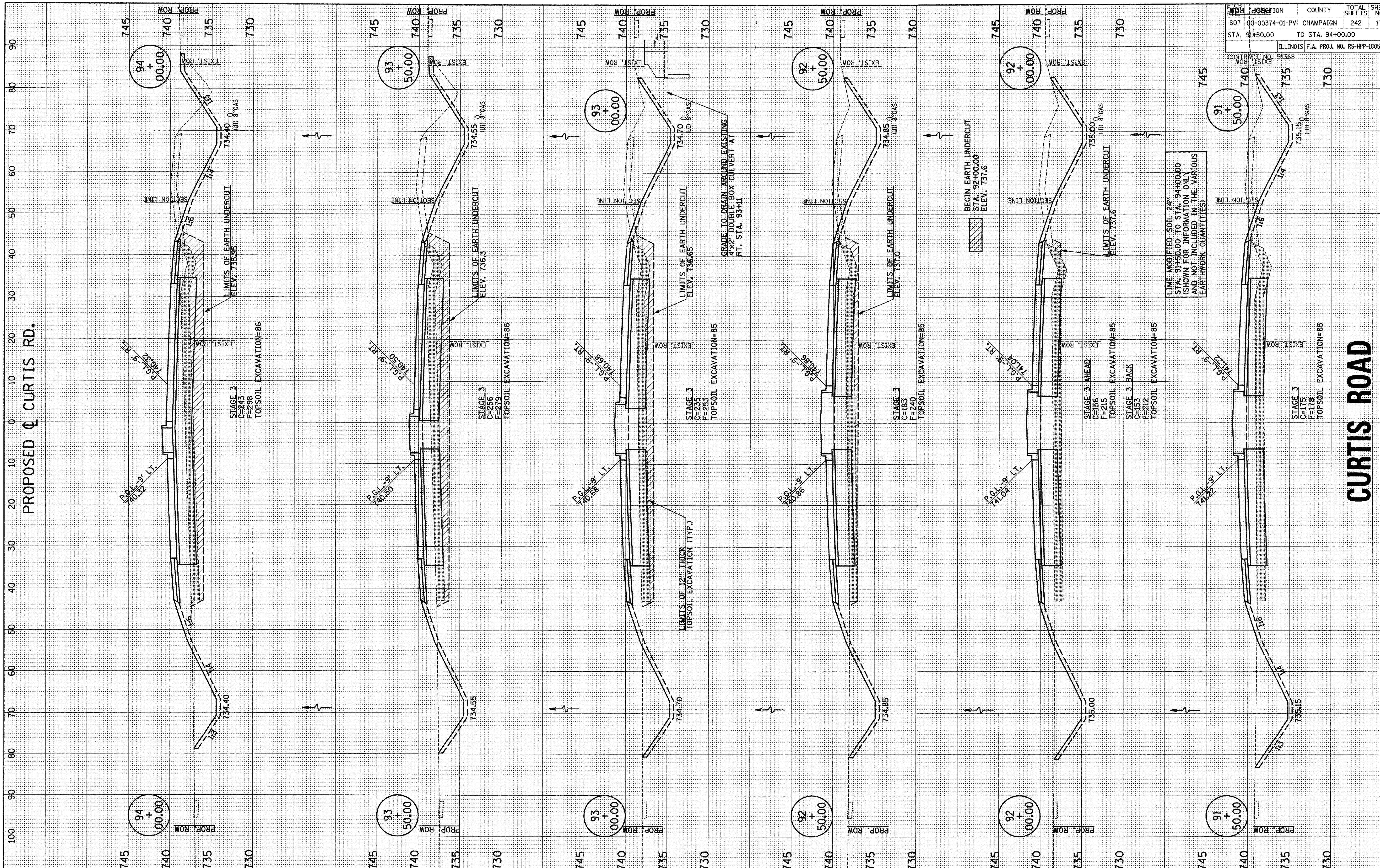
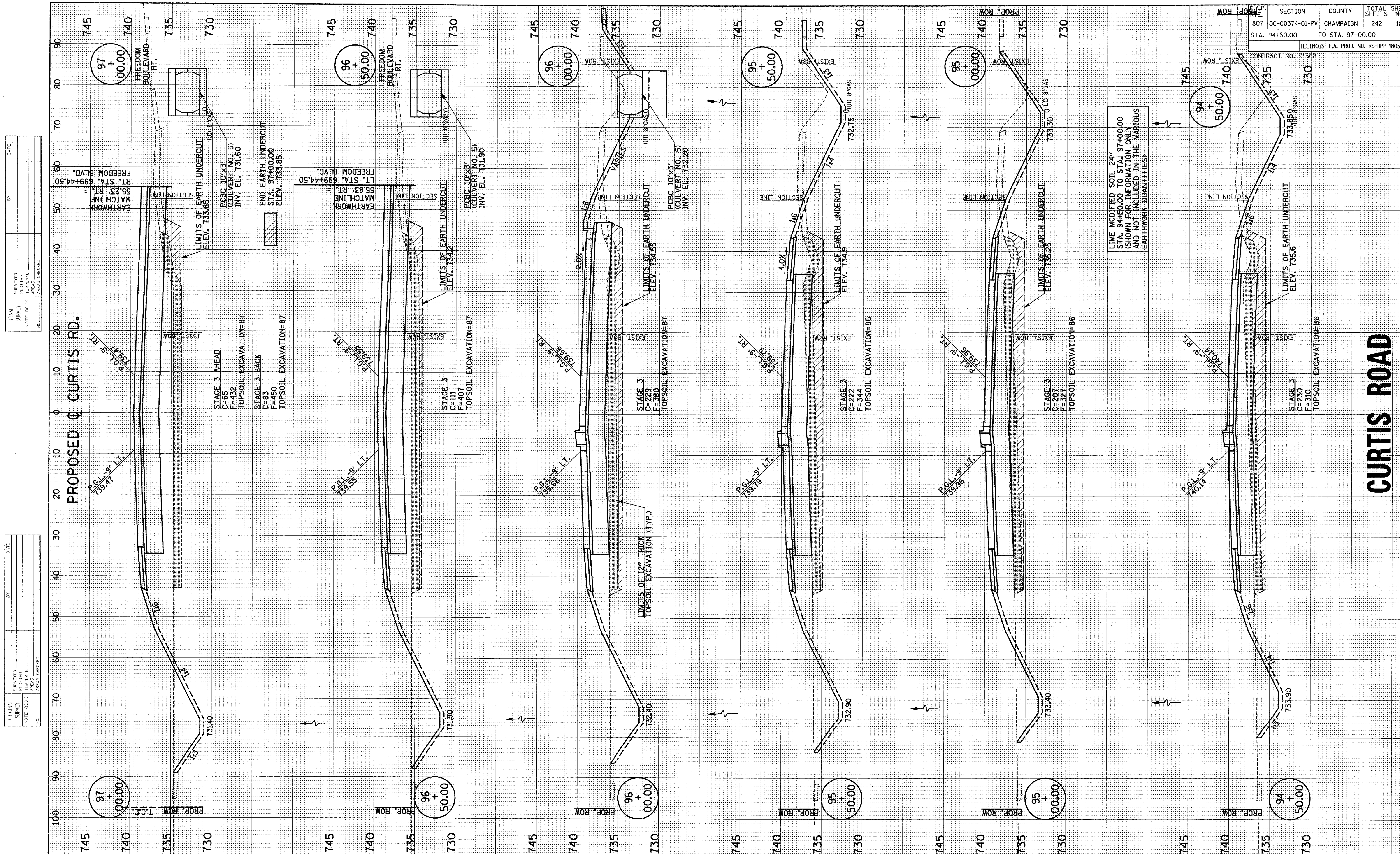


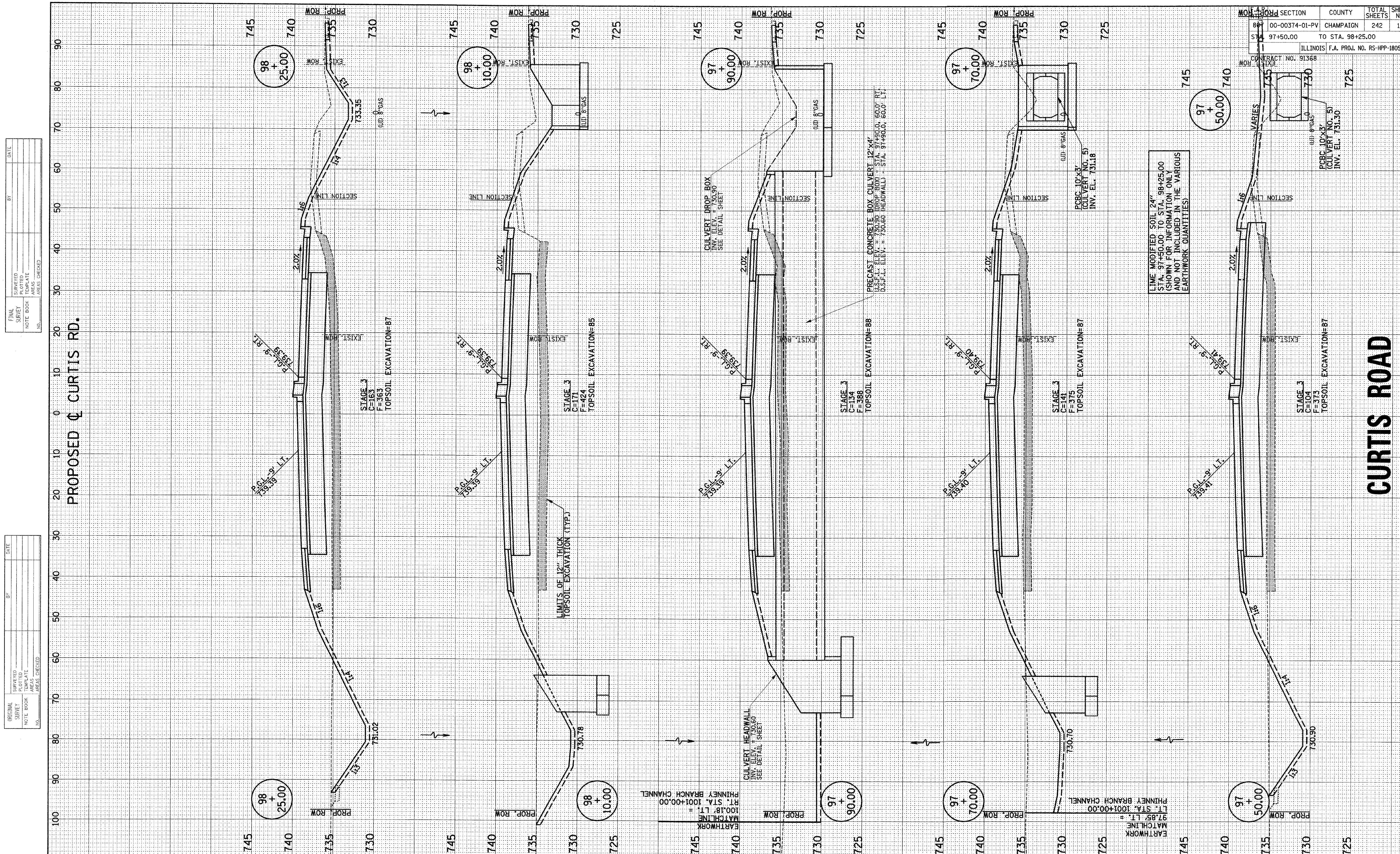
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	180
STA. 94+50.00	TO STA. 97+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	181
STA. 97+50.00 TO STA. 98+25.00				
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368



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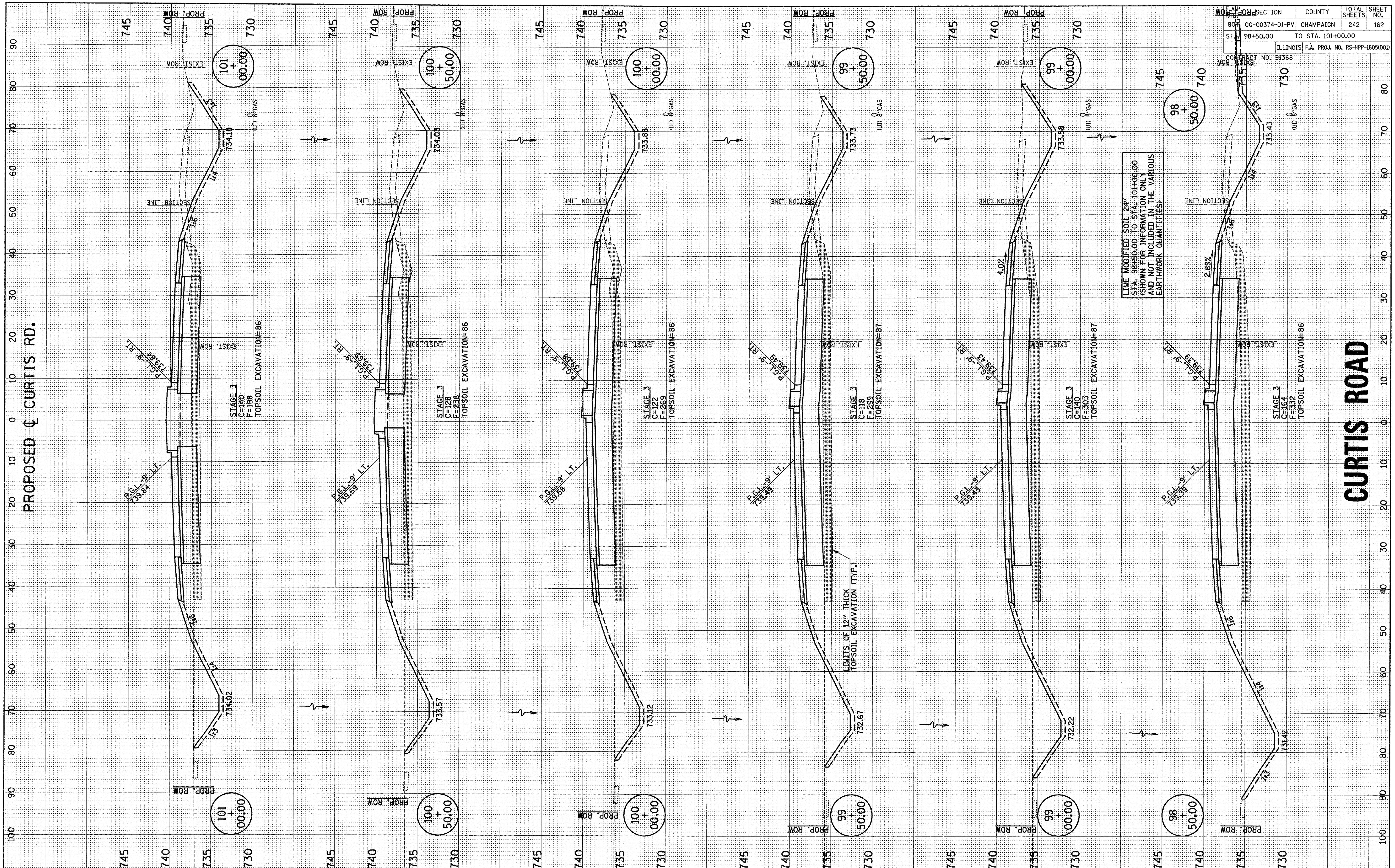

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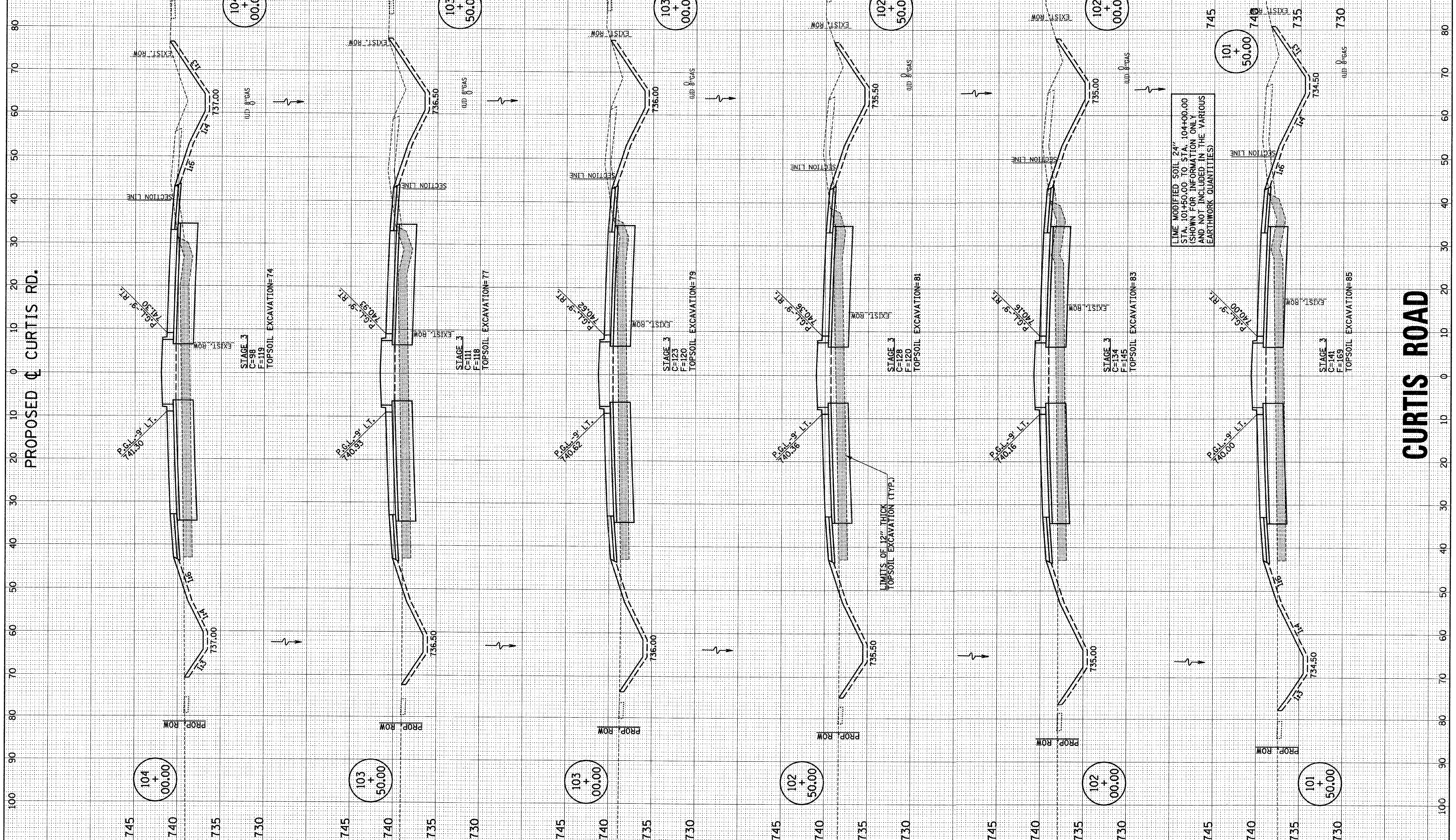
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	183
STA. 101+50.00	TO STA. 104+00.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	184
STA. 104+50.00	TO STA. 107+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

PROPOSED ℄ CURTIS RD.

CURTIS ROAD

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

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 184 OF 242 SHEETS C01401

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

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

PROPOSED ℄ CURTIS RD.

STA. 109+00.00

P.G.L.-9' LT. 746.21
P.G.L.-9' RT. 746.21
SECTION LINE
PROP. ROW
EXIST. ROW
1:6
1:3
1:4
742.00
STAGE 3
C=69
F=175
TOPSOIL EXCAVATION=62
(UD 8"GAS

STA. 108+50.00

END EARTH UNDERCUT
STA. 108+50.00
ELEV. 741.5
P.G.L.-9' LT. 745.71
P.G.L.-9' RT. 745.71
741.50
STAGE 3 AHEAD
C=58
F=221
TOPSOIL EXCAVATION=59
STAGE 3 BACK
C=115
F=278
TOPSOIL EXCAVATION=56
LIMITS OF EARTH UNDERCUT
ELEV. 741.5

STA. 108+26.50

P.G.L.-9' LT. 745.41
P.G.L.-9' RT. 745.41
741.26
POWER POLE TO BE PROTECTED
STA. 108+26.5, 60.0' RT.
TOP OF DITCH CHECK
ELEV. = 743.7
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)
STAGE 3
C=88
F=282
TOPSOIL EXCAVATION=56
LIMITS OF EARTH UNDERCUT
ELEV. 741.25

STA. 108+00.00

P.G.L.-9' LT. 746.21
P.G.L.-9' RT. 746.21
741.00
STAGE 3
C=119
F=279
TOPSOIL EXCAVATION=56
LIMITS OF EARTH UNDERCUT
ELEV. 741.0

LIME MODIFIED SOIL 24"
STA. 107+50.00 TO STA. 109+00.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

STA. 107+50.00

P.G.L.-9' LT. 744.71
P.G.L.-9' RT. 744.71
740.50
STAGE 3
C=123
F=230
TOPSOIL EXCAVATION=57
LIMITS OF EARTH UNDERCUT
ELEV. 741.0

CURTIS ROAD

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 185 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	185

CONTRACT NO. 93168
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(000)
STA. 107+50.00 TO STA. 109+00.00

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

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 186 OF 242 SHEETS C01401

PROPOSED ℄ CURTIS RD.

110 + 74.00

P.G.L.-9' LT. 141.69
P.G.L.-9' RT. 141.69
SECTION LINE
PROP. ROW
EXIST. ROW
P.E.
VARIES
742.52
1:6
1:3
STAGE 3
C=138
F=22
TOPSOIL EXCAVATION=64
(U) 8"GAS

110 + 50.00

P.G.L.-9' LT. 141.68
P.G.L.-9' RT. 141.68
742.45
1:4
STAGE 3
C=120
F=28
TOPSOIL EXCAVATION=66
(U) 8"GAS

110 + 00.00

P.G.L.-9' LT. 141.21
P.G.L.-9' RT. 141.21
742.30
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)
STAGE 3
C=91
F=83
TOPSOIL EXCAVATION=65
(U) 8"GAS

109 + 65.00

P.G.L.-9' LT. 146.86
P.G.L.-9' RT. 146.86
742.19
STAGE 3
C=74
F=110
TOPSOIL EXCAVATION=66
20"SM
16"CM
(U) 8"GAS

LIME MODIFIED SOIL 24"
STA. 109+40.00 TO STA. 110+74.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

109 + 40.00

P.G.L.-9' LT. 146.61
P.G.L.-9' RT. 146.61
742.12
VAR.
STAGE 3
C=107
F=140
TOPSOIL EXCAVATION=63
(U) 8"GAS

CURTIS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	186

STA. 109+40.00 TO STA. 110+74.00
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(003)

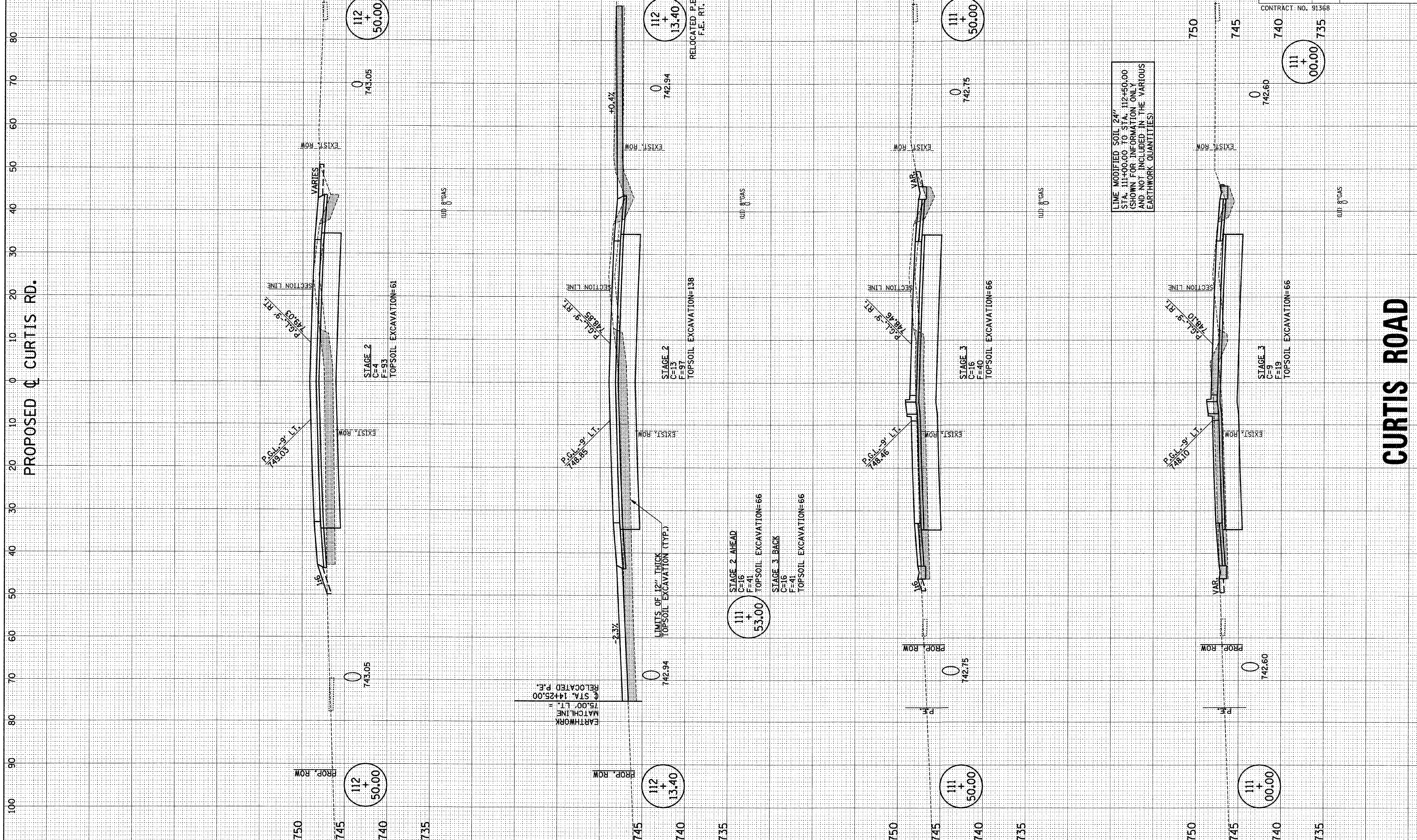
CONTRACT NO. 91368

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	187

STA. 111+00.00 TO STA. 112+50.00

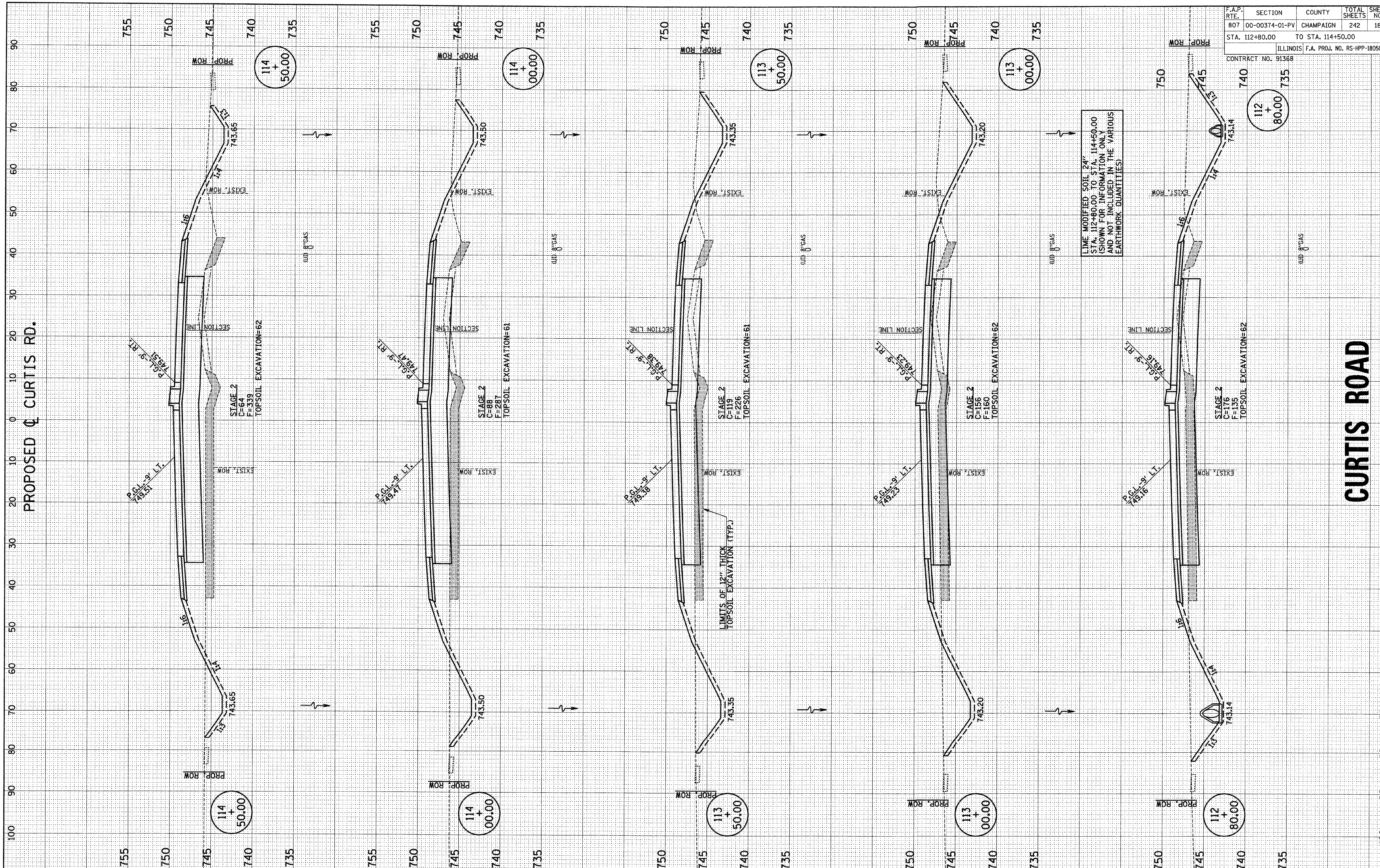
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)

CONTRACT NO. 91368



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	188
STA. 112+80.00	TO STA. 114+50.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368



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

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

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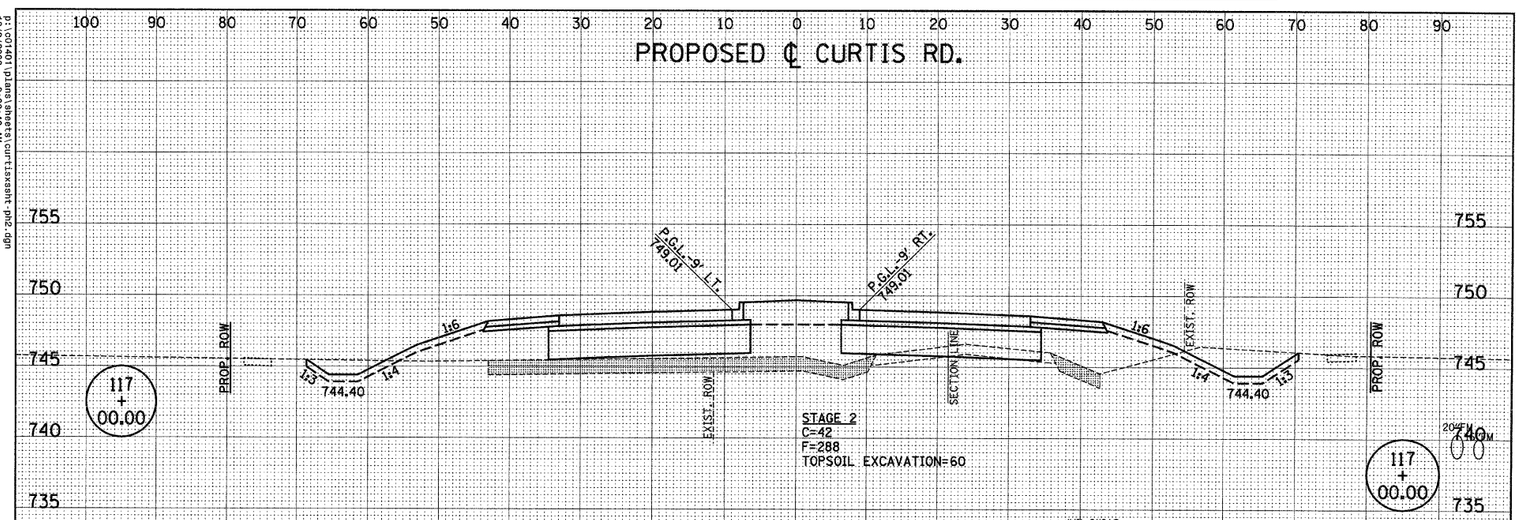
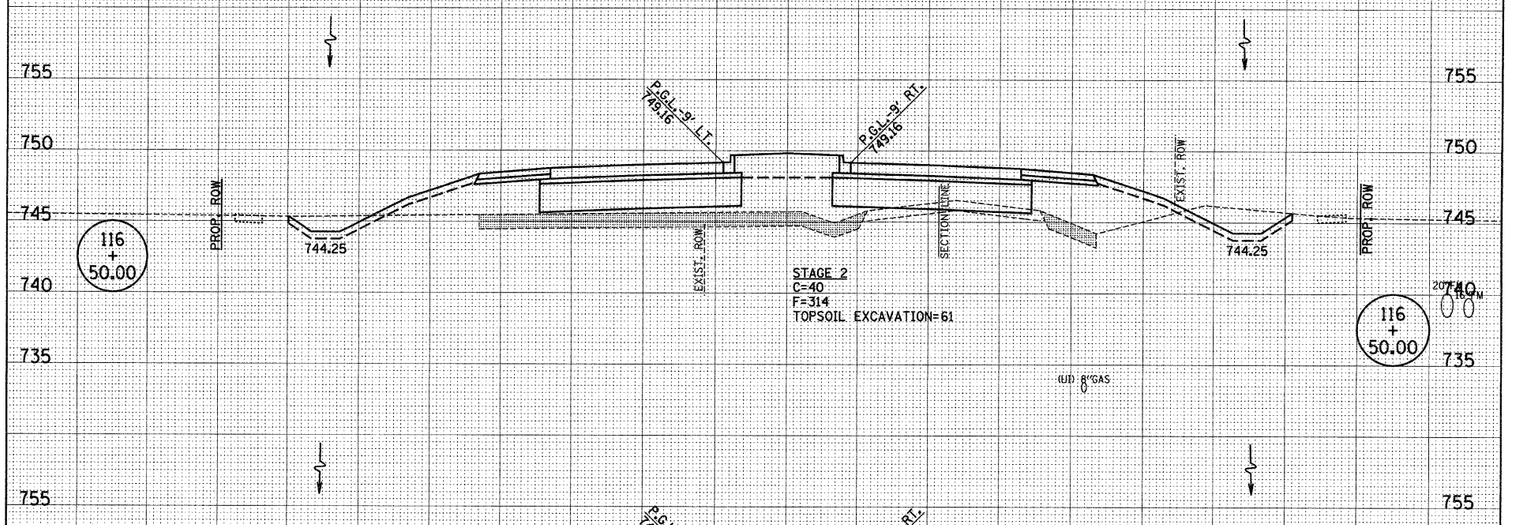
PROPOSED ℄ CURTIS RD.

117 + 00.00



116 + 50.00



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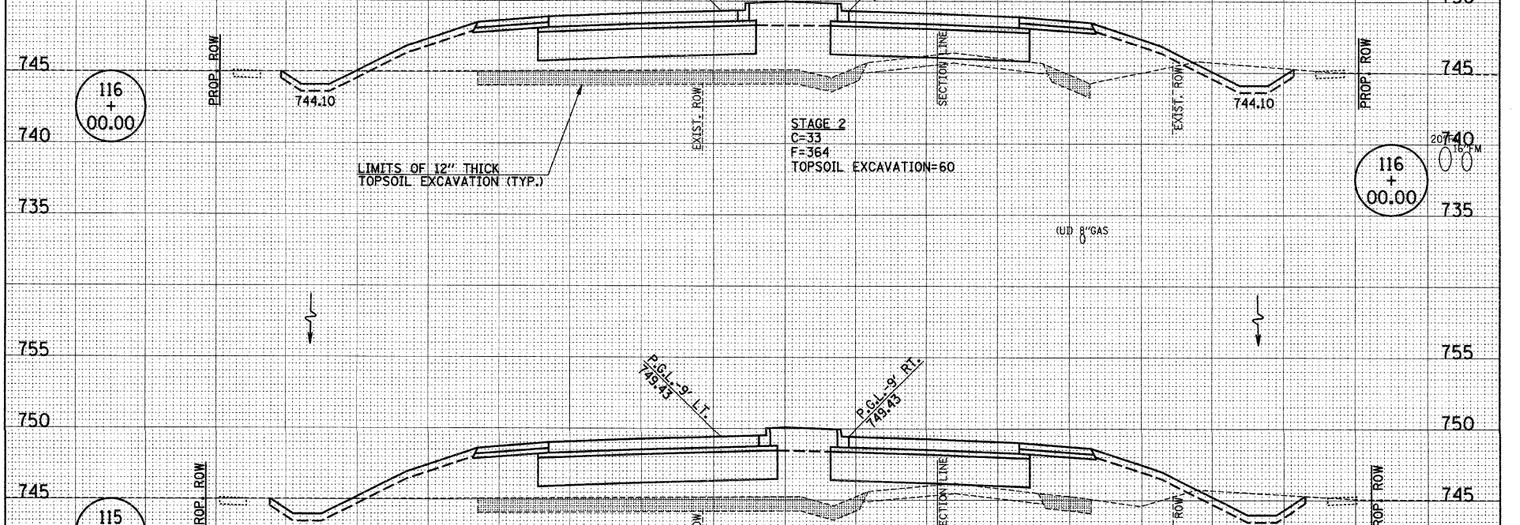
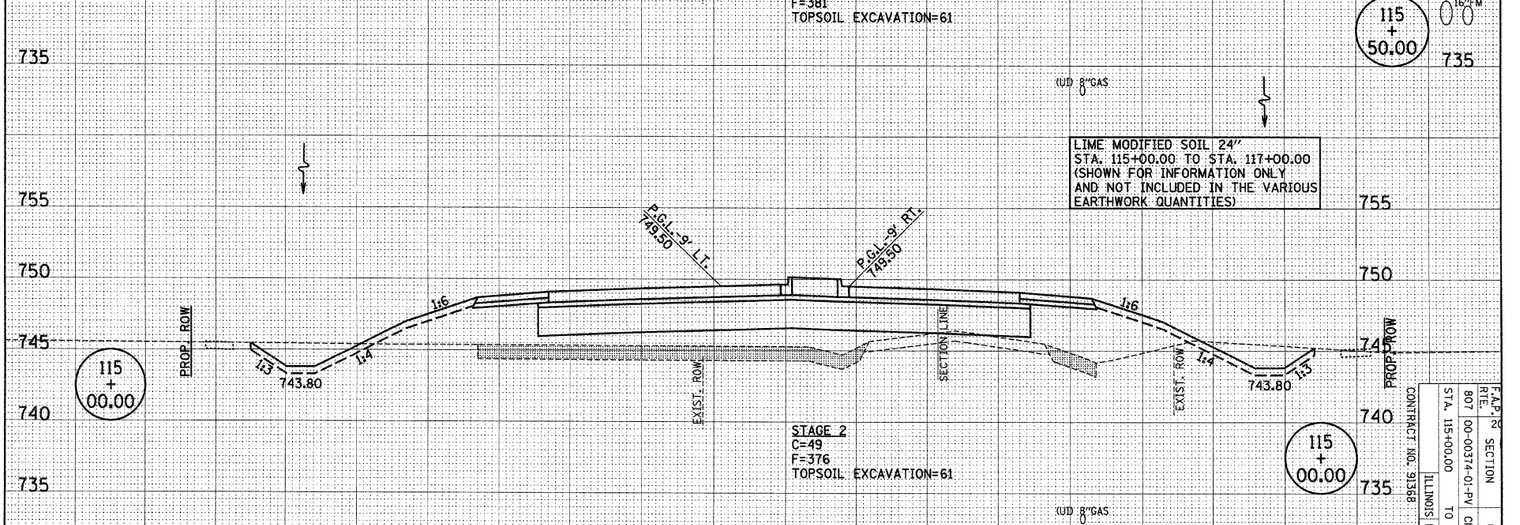
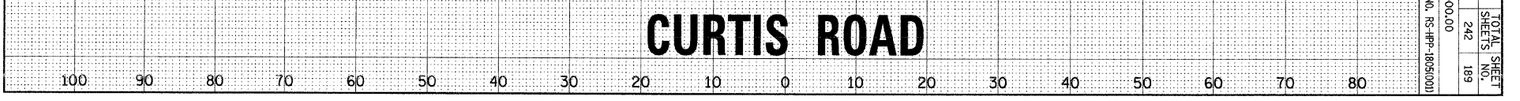


115 + 50.00



LIME MODIFIED SOIL 24"
STA. 115+00.00 TO STA. 117+00.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

115 + 00.00



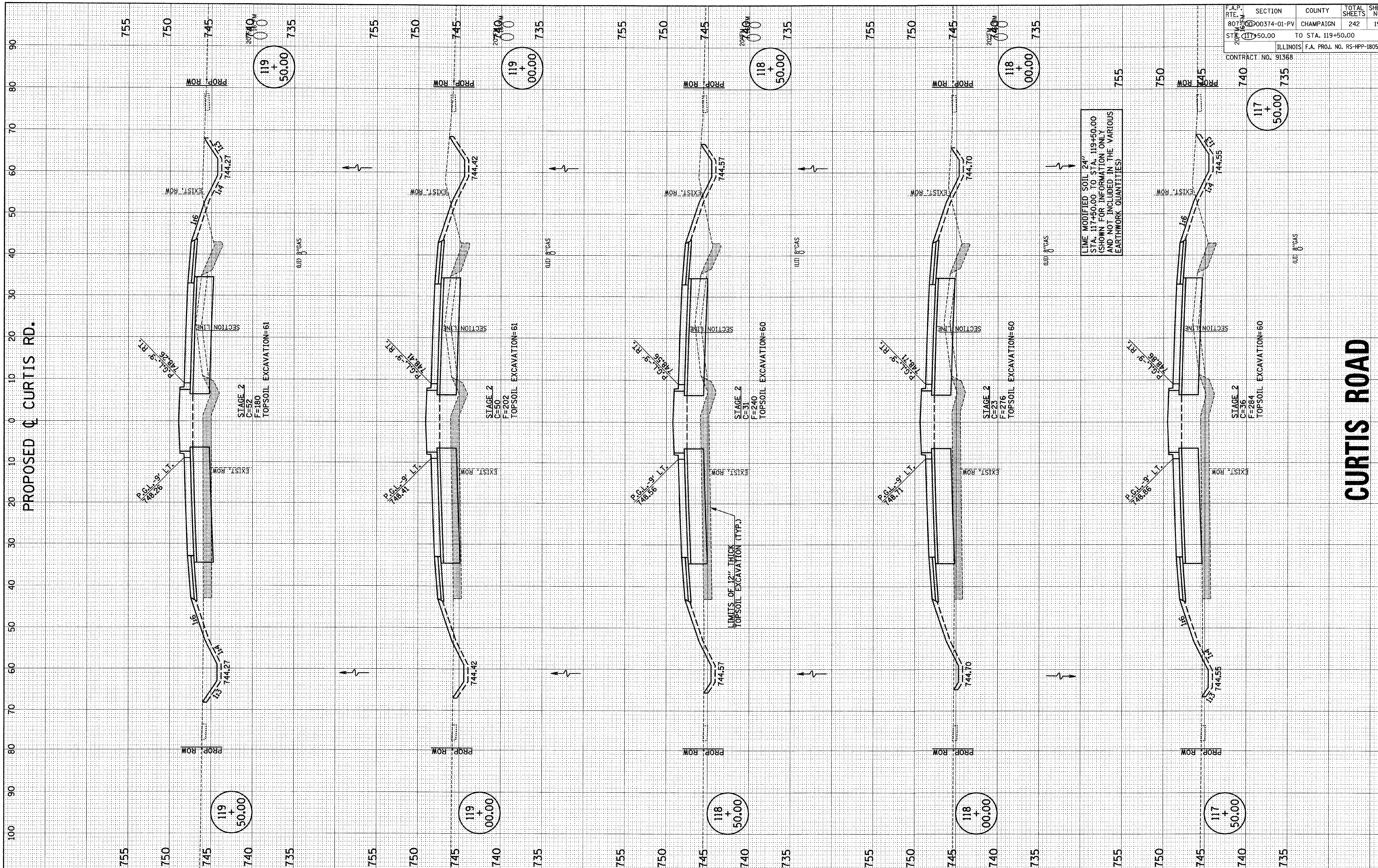
CURTIS ROAD

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 189 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242
STA. 115+00.00	TO STA. 117+00.00		SHEET NO. 189

ILLINOIS F.A. PROJ. NO. RS-HPP-1805(003)

CONTRACT NO. 93368


F.A.P. RTE. 807
SECTION 00-00374-01-PV
COUNTY CHAMPAIGN
TOTAL SHEETS 242
SHEET NO. 190
STA. 117+50.00 TO STA. 119+50.00
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)
CONTRACT NO. 91368
PROPOSED ℄ CURTIS RD.
CURTIS ROAD
119+50.00
119+00.00
118+50.00
118+00.00
117+50.00
PROP. ROW
EXIST. ROW
SECTION LINE
P.G.L.-9' RT. 748.26
P.G.L.-9' LT. 748.26
STAGE 2
C=52
F=180
TOPSOIL EXCAVATION=61
P.G.L.-9' RT. 748.41
P.G.L.-9' LT. 748.41
STAGE 2
C=50
F=202
TOPSOIL EXCAVATION=61
P.G.L.-9' RT. 748.56
P.G.L.-9' LT. 748.56
STAGE 2
C=31
F=240
TOPSOIL EXCAVATION=60
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)
P.G.L.-9' RT. 748.71
P.G.L.-9' LT. 748.71
STAGE 2
C=23
F=276
TOPSOIL EXCAVATION=60
P.G.L.-9' RT. 748.86
P.G.L.-9' LT. 748.86
STAGE 2
C=36
F=284
TOPSOIL EXCAVATION=60
LIME MODIFIED SOIL 24"
STA. 117+50.00 TO STA. 119+50.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)
744.27
744.42
744.57
744.70
744.55
1:6
1:4
1:3
(UI) 8" GAS
755
750
745
740
735

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

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

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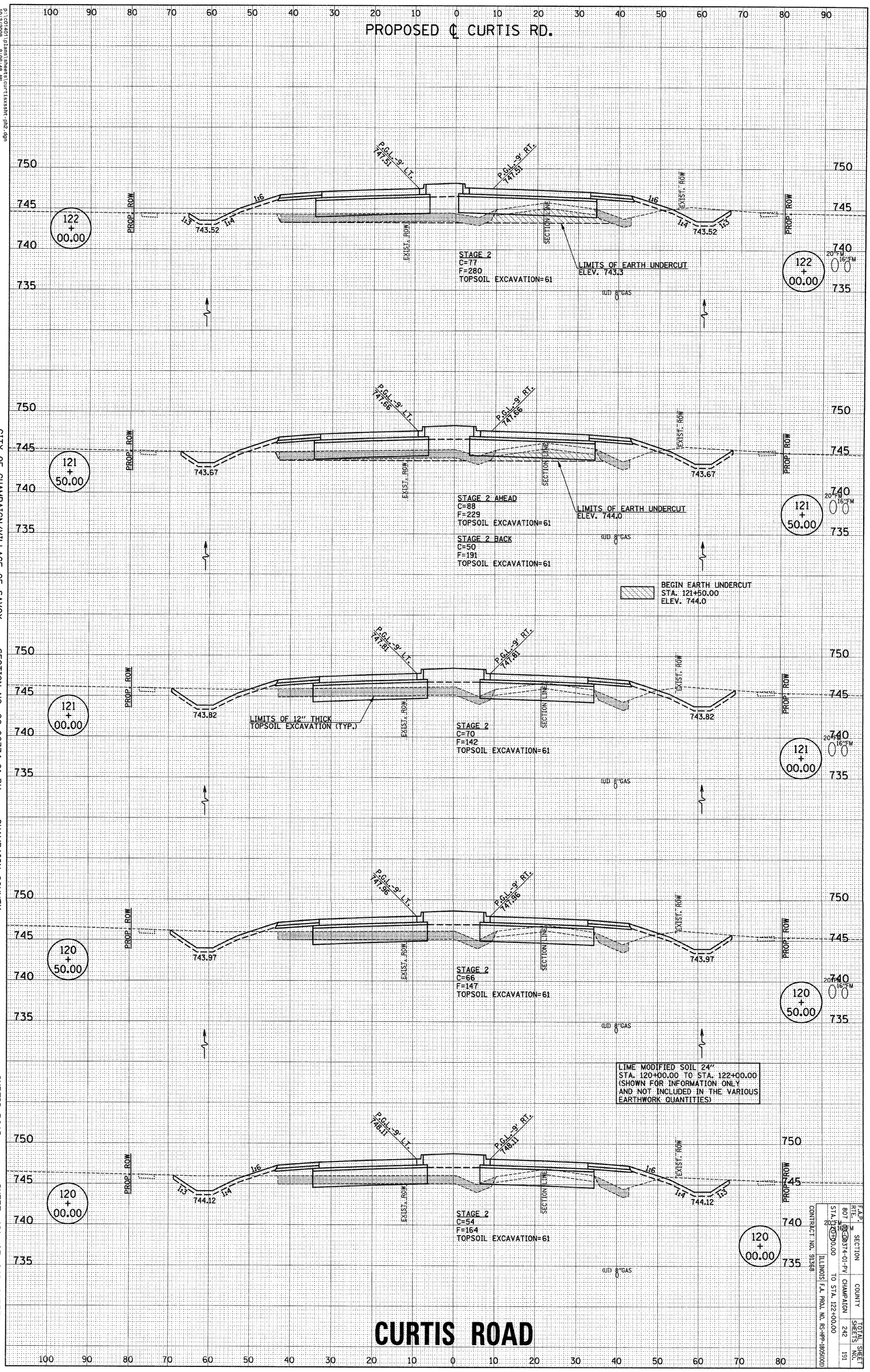
CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 191 OF 242 SHEETS C01401



CURTIS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	191

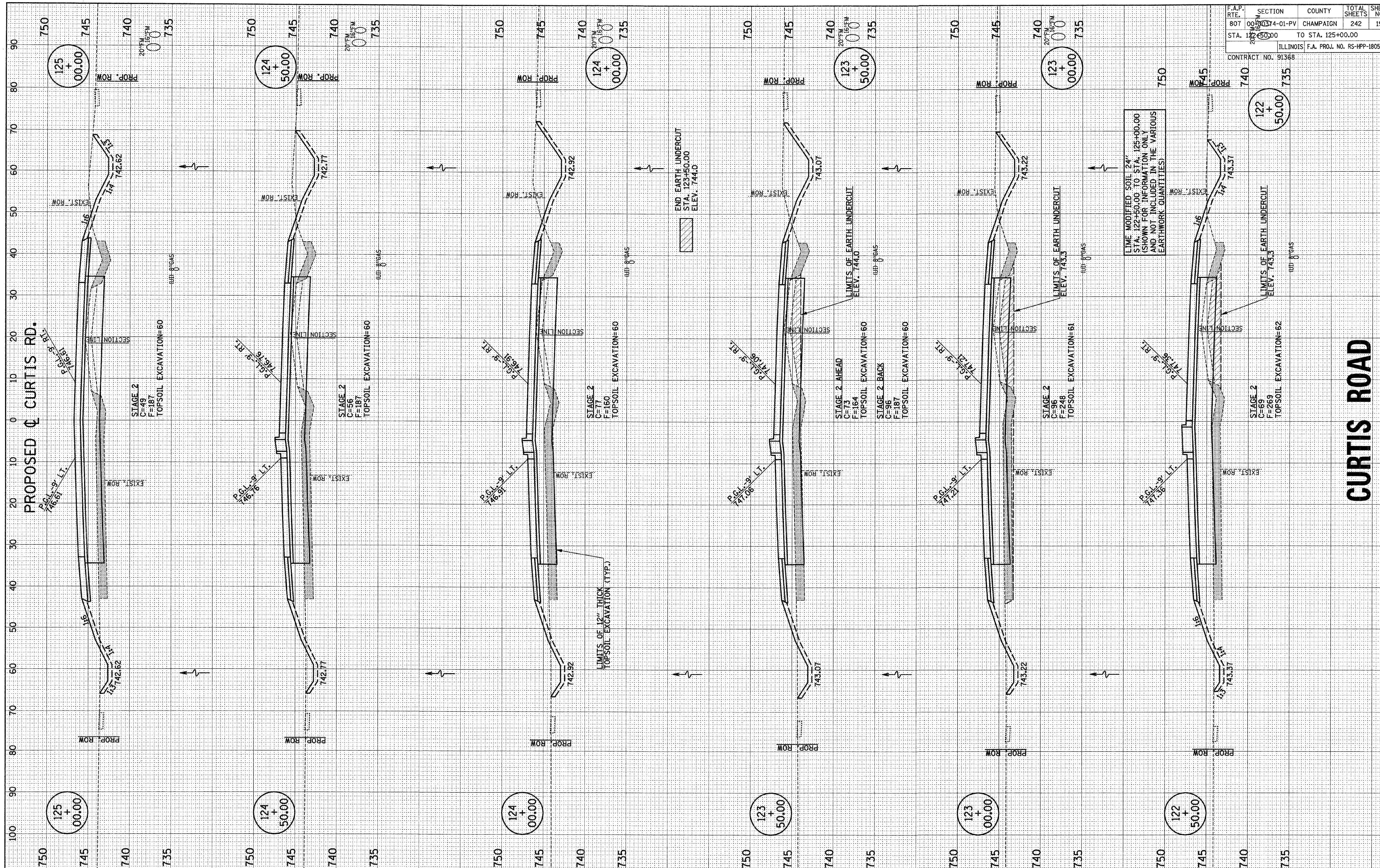
STA. 120+00.00 TO STA. 122+00.00

ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)

CONTRACT NO. 91368

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	192
STA. 122+50.00	TO STA. 125+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368



PROPOSED ℄ CURTIS RD.
CURTIS ROAD
125+00.00
124+50.00
124+00.00
123+50.00
123+00.00
122+50.00
STAGE 2
C=49
F=187
TOPSOIL EXCAVATION=60
STAGE 2
C=56
F=187
TOPSOIL EXCAVATION=60
STAGE 2
C=77
F=160
TOPSOIL EXCAVATION=60
STAGE 2 AHEAD
C=73
F=164
TOPSOIL EXCAVATION=60
STAGE 2 BACK
C=96
F=187
TOPSOIL EXCAVATION=60
STAGE 2
C=96
F=248
TOPSOIL EXCAVATION=61
STAGE 2
C=69
F=269
TOPSOIL EXCAVATION=62
END EARTH UNDERCUT
STA. 123+50.00
ELEV. 744.0
LIMITS OF EARTH UNDERCUT
ELEV. 744.0
LIMITS OF EARTH UNDERCUT
ELEV. 743.3
LIMITS OF EARTH UNDERCUT
ELEV. 743.3
LIME MODIFIED SOIL 24"
STA. 122+50.00 TO STA. 125+00.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)
LIMITS OF 12" THICK
TOPSOIL EXCAVATION (TYP.)
PROP. ROW
EXIST. ROW
SECTION LINE
P.G.L.-9' RT.
P.G.L.-9' LT.
746.61
746.76
746.91
747.06
747.21
747.36
742.62
742.77
742.92
743.07
743.22
743.37

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

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

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10/9/2008 8:08:54 AM

PROPOSED ℄ CURTIS RD.

127 + 50.00

PROP. ROW — 1:3 — 1:4 — 1:6 — 741.86 — EXIST. ROW — SECTION LINE — EXIST. ROW — 1:6 — 1:4 — 1:3 — 741.86 — PROP. ROW

P.G.L.-9' LT. 745.85 — P.G.L.-9' RT. 745.85

STAGE 2
C=154
F=28
TOPSOIL EXCAVATION=60

(U) 8"GAS

127 + 00.00

PROP. ROW — 742.02 — EXIST. ROW — SECTION LINE — EXIST. ROW — 742.02 — PROP. ROW

P.G.L.-9' LT. 746.00 — P.G.L.-9' RT. 746.00

STAGE 2
C=106
F=64
TOPSOIL EXCAVATION=60

(U) 8"GAS

126 + 50.00

PROP. ROW — 742.17 — EXIST. ROW — SECTION LINE — EXIST. ROW — 742.17 — PROP. ROW

P.G.L.-9' LT. 746.16 — P.G.L.-9' RT. 746.16

LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)

STAGE 2
C=74
F=114
TOPSOIL EXCAVATION=61

(U) 8"GAS

20"FM 16"FM

126 + 00.00

PROP. ROW — 1:3 — 1:4 — 1:6 — 742.32 — EXIST. ROW — SECTION LINE — EXIST. ROW — 1:6 — 1:4 — 1:3 — 742.32 — PROP. ROW

P.G.L.-9' LT. 746.31 — P.G.L.-9' RT. 746.31

STAGE 2
C=64
F=144
TOPSOIL EXCAVATION=60

(U) 8"GAS

20"FM 16"FM

LIME MODIFIED SOIL 24"
STA. 125+30.00 TO STA. 127+50.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

125 + 30.00

PROP. ROW — 6.4% — 742.53 — EXIST. ROW — SECTION LINE — EXIST. ROW — 4.6% — 742.53 — PROP. ROW

P.G.L.-9' LT. 746.52 — P.G.L.-9' RT. 746.52

STAGE 2
C=0
F=232
TOPSOIL EXCAVATION=128

(U) 8"GAS

F.E. LT. & RT.

CURTIS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPION	242	193

CONTRACT NO. 91368
STA. 125+30.00 TO STA. 127+50.00
FM 16
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 193 OF 242 SHEETS C01401

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

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 194 OF 242 SHEETS C01401

PROPOSED ℄ CURTIS RD.

130 + 50.00

P.G.L.-9' LT. 744.89
P.G.L.-9' RT. 744.89
740.90
740.42
PROP. ROW
EXIST. ROW
SECTION LINE
1:3 1:4 1:6 1:6 1:4 1:3
STAGE 2
C=174
F=33
TOPSOIL EXCAVATION=61
(UI) 8"GAS 0

130 + 00.00

P.G.L.-9' LT. 745.05
P.G.L.-9' RT. 745.05
741.06
741.05
STAGE 2
C=118
F=58
TOPSOIL EXCAVATION=60
(UI) 8"GAS 0

129 + 50.00

P.G.L.-9' LT. 745.21
P.G.L.-9' RT. 745.21
741.22
741.22
STAGE 2
C=102
F=72
TOPSOIL EXCAVATION=61
(UI) 8"GAS 0

129 + 00.00

P.G.L.-9' LT. 745.37
P.G.L.-9' RT. 745.37
741.38
741.38
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)
STAGE 2
C=116
F=56
TOPSOIL EXCAVATION=60
(UI) 8"GAS 0

128 + 50.00

P.G.L.-9' LT. 745.53
P.G.L.-9' RT. 745.53
741.54
741.54
STAGE 2
C=151
F=23
TOPSOIL EXCAVATION=61
(UI) 8"GAS 0

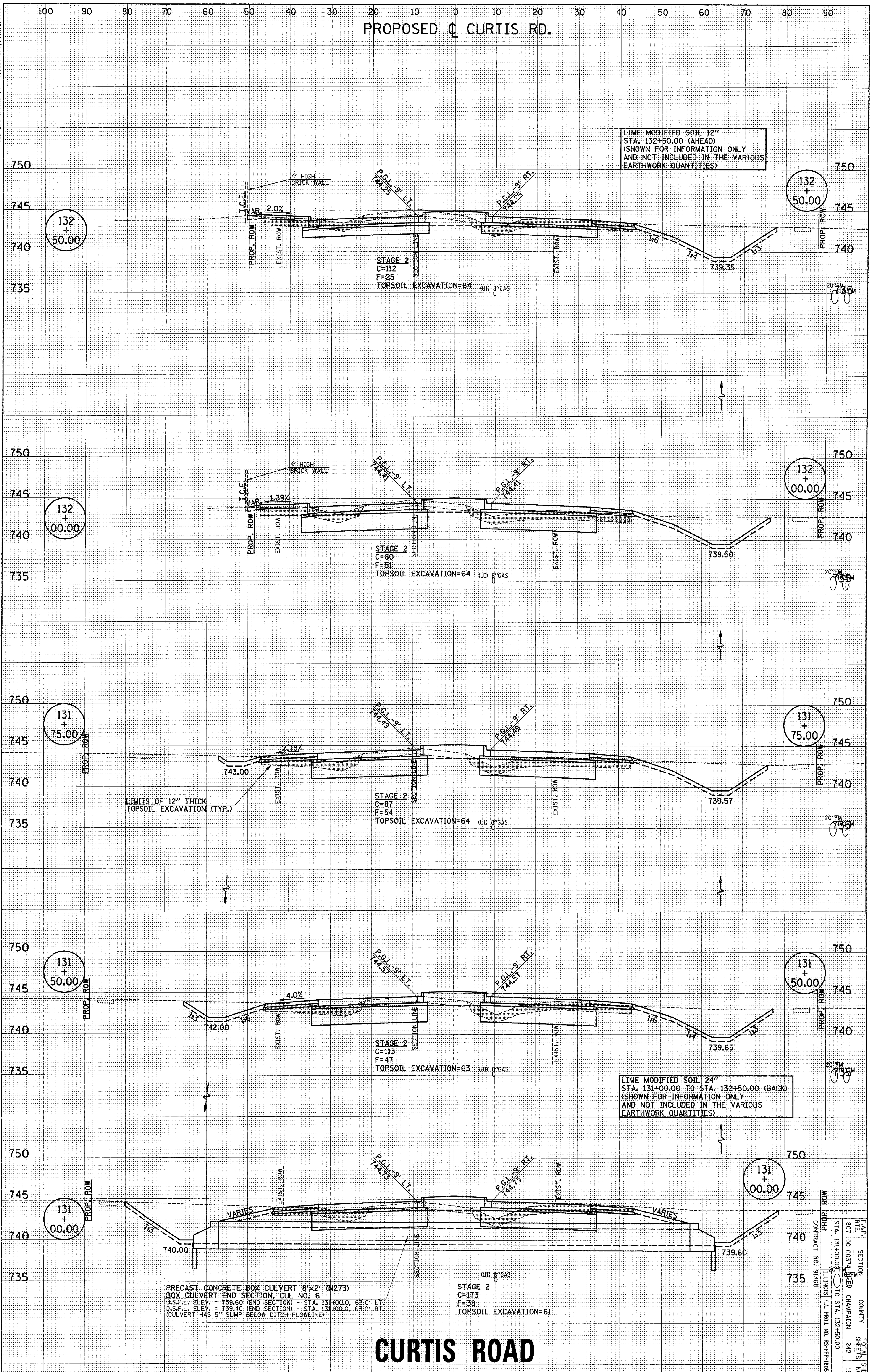
LIME MODIFIED SOIL 24"
STA. 128+00.00 TO STA. 130+50.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)

128 + 00.00

P.G.L.-9' LT. 745.69
P.G.L.-9' RT. 745.69
741.70
741.70
STAGE 2
C=187
F=16
TOPSOIL EXCAVATION=61
(UI) 8"GAS 0

CURTIS ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	194
STA. 128+00.00	TO STA. 130+50.00			
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(001)				
CONTRACT NO. 91388				



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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	195
STA. 131+00.00 TO STA. 132+50.00				
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

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

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

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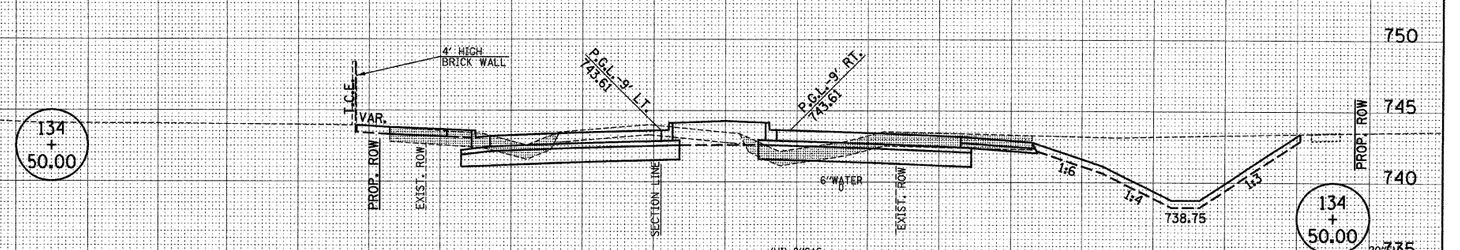
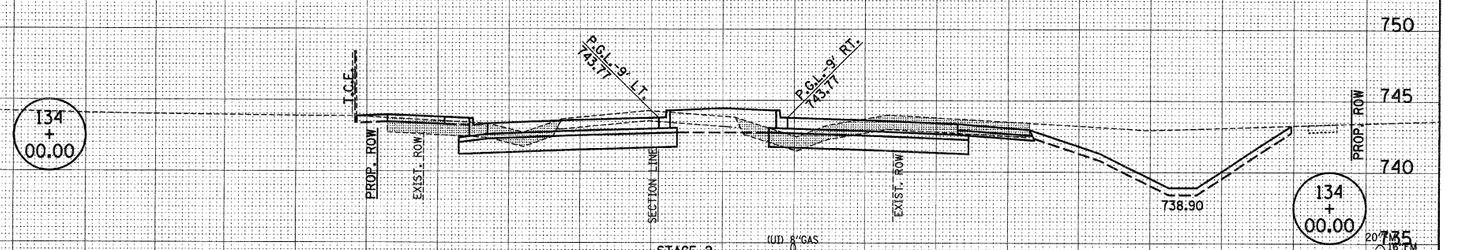
PROPOSED ℄ CURTIS RD.



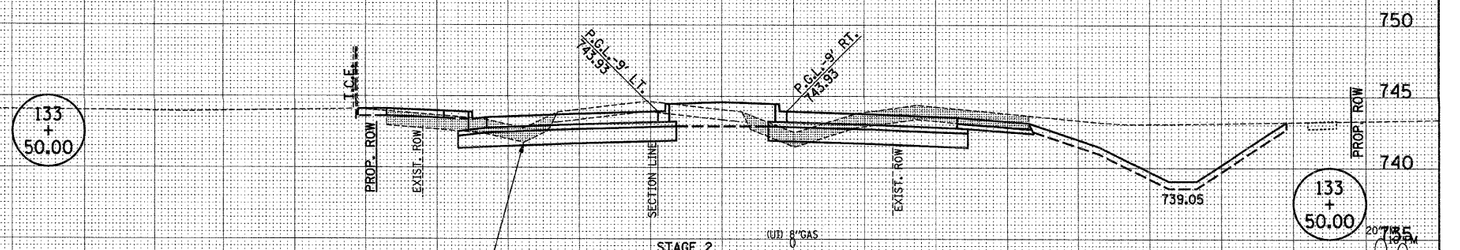
(UD 8"GAS

STAGE 2
C=131
F=26
TOPSOIL EXCAVATION=64



(UD 8"GAS

STAGE 2
C=126
F=23
TOPSOIL EXCAVATION=65

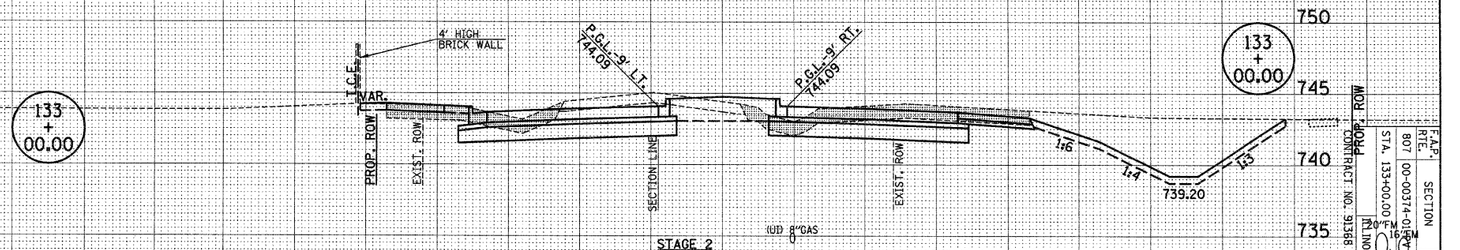


(UD 8"GAS

LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP.)

STAGE 2
C=130
F=25
TOPSOIL EXCAVATION=63

LIME MODIFIED SOIL 12"
STA. 133+00.00 TO STA. 134+50.00
(SHOWN FOR INFORMATION ONLY
AND NOT INCLUDED IN THE VARIOUS
EARTHWORK QUANTITIES)



(UD 8"GAS

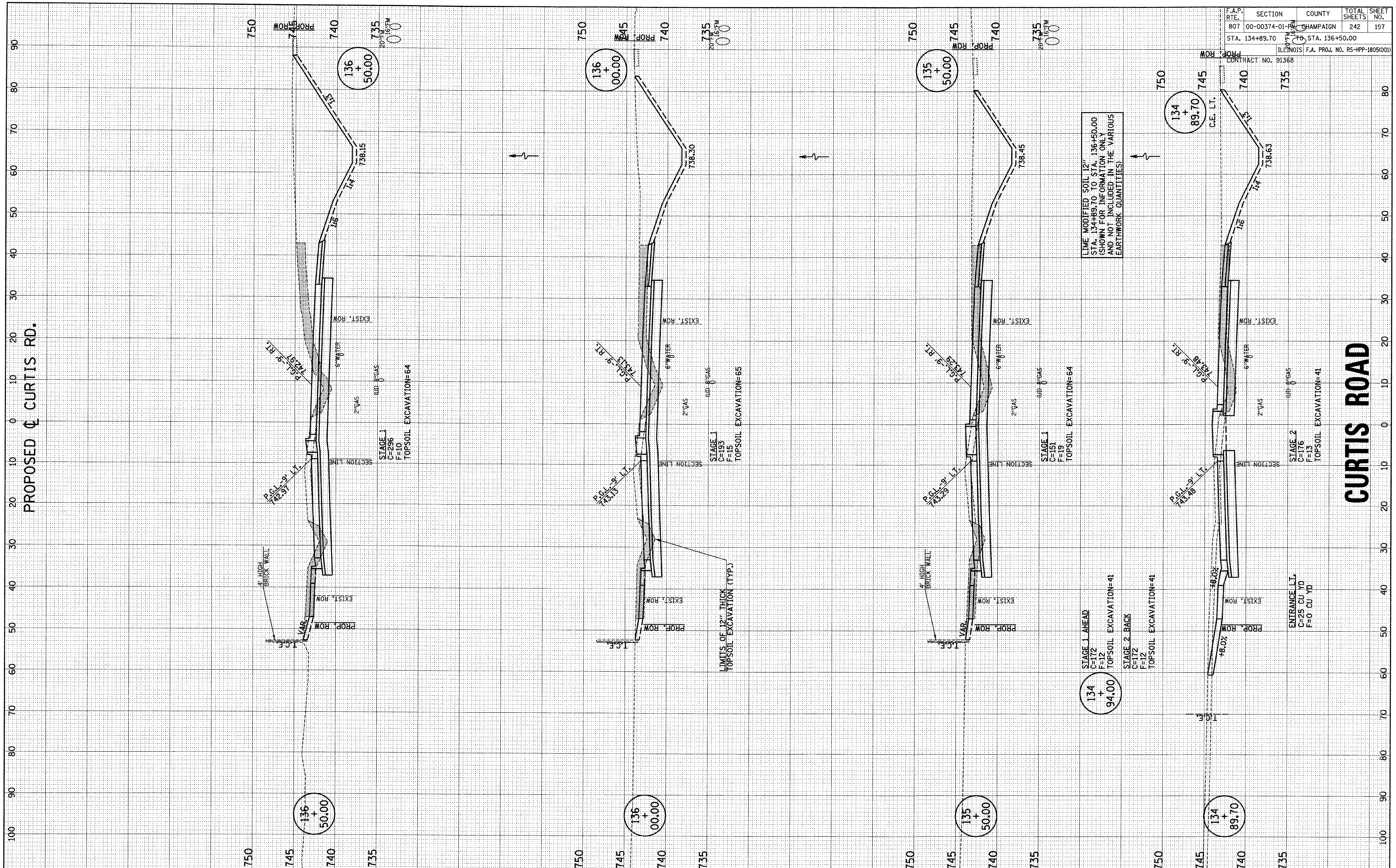
STAGE 2
C=137
F=15
TOPSOIL EXCAVATION=64

CURTIS ROAD

CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY

CURTIS ROAD SHEET 196 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	196
STA. 133+00.00		STA. 134+50.00		
ILLINOIS	F.A. PROJ. NO. RS-##P-###(###)		CONTRACT NO. 91368	



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	198
STA. 137+00.00		TO STA. 139+50.00		
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

CONTRACT NO. 91368

PROPOSED ℄ CURTIS RD.

CURTIS ROAD

FINAL SURVEY NOTE BOOK NO.

	BY	DATE
SURVEYED		
PLOTTED		
QUANTITIES		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY NOTE BOOK NO.

	BY	DATE
SURVEYED		
PLOTTED		
QUANTITIES		
AREAS		
AREAS CHECKED		

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 198 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	199
STA. 139+85.00	TO STA. 142+00.00			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		
CONTRACT NO. 91368				

PROPOSED ℄ CURTIS RD.

CURTIS ROAD

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

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

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CITY OF CHAMPAIGN/VILLAGE OF SAVOY SECTION NO. 00-00374-01-PV CHAMPAIGN COUNTY CURTIS ROAD SHEET 199 OF 242 SHEETS C01401

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	200
STA. 142+65.40	TO STA. 144+50.00			
		ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)	

CONTRACT NO. 91368