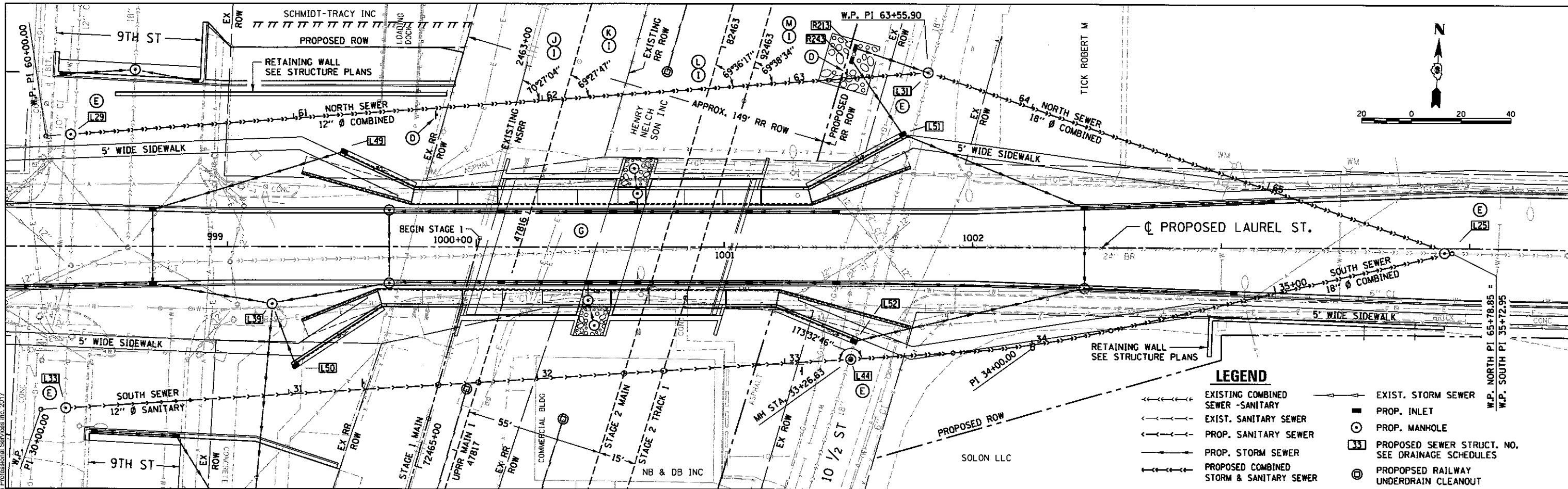


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BY	
PLAN	
NOTE BOOK	
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SURVEYED	
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CHECKED	
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FILE NAME	



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BY	
PROFILE	
NOTE BOOK	
NO.	
STRUCTURE	
NOTATION	
CHP	

DATE	1/20/2015
DESIGNED	JWM
DRAWN	CLG
REVIEWED	MNM
DATE	1/20/2015
DATE	07/17/2016



LEGEND

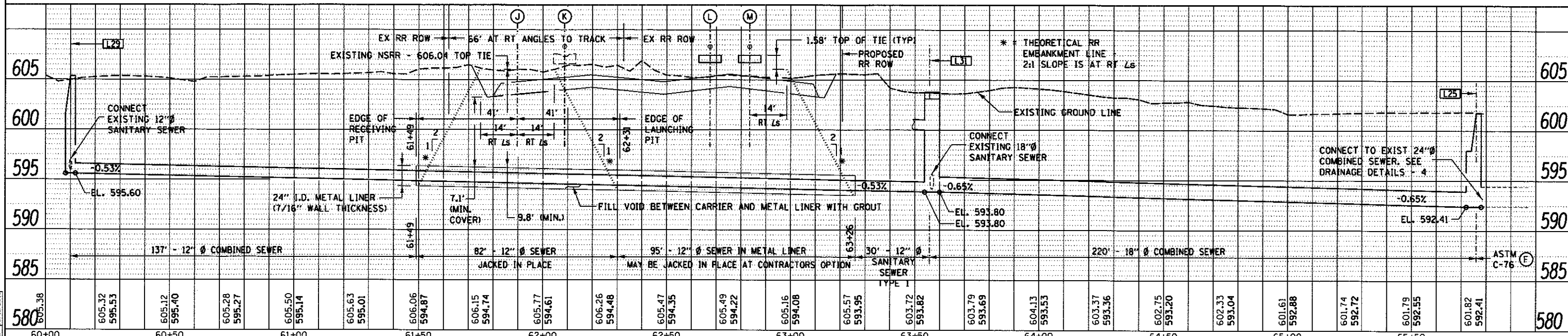
--->--->	EXISTING COMBINED SEWER - SANITARY	--->---	EXIST. STORM SEWER
--->---	EXIST. SANITARY SEWER	■	PROP. INLET
--->---	PROP. SANITARY SEWER	○	PROP. MANHOLE
--->---	PROP. STORM SEWER	33	PROPOSED SEWER STRUCT. NO. SEE DRAINAGE SCHEDULES
--->---	PROPOSED COMBINED STORM & SANITARY SEWER	⊙	PROPOSED RAILWAY UNDERDRAIN CLEANOUT

- NOTES**
- (A) CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK SOUTHERN'S NSCE-B SPECIFICATIONS.
 - (B) PIPELINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LAST APPROVED "AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION" SPECIFICATIONS FOR PIPELINES CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.
 - (C) BLASTING NOT PERMITTED
 - (D) PIPELINE MARKER SIGN NOTE : COST INCLUDED WITH 12" Ø SS
 - (E) FIELD VERIFY LOCATION
 - (F) THE 12" DIAMETER SANITARY SEWER SHALL BE CONSTRUCTED DURING STAGE 2A, PRIOR TO STAGE 2 TRACK CONSTRUCTION.
 - (G) SEE LAUREL STREET PLAN & PROFILES ALONG WITH THE ENLARGED PLAN DETAIL SHEETS FOR INFORMATION NOT SHOWN ON THIS SHEET.
 - (H) SEE STRUCTURE PLANS FOR LIMITS AND DETAILS OF MSE WALLS AND TANGENT PILE SUPPORTED WALLS ADJACENT TO PROPOSED NSRR AND UPRR RAILWAY BRIDGE STRUCTURES.
 - (I) BASED ON LOCAL TANGENT AT ALIGNMENT INTERSECTION
 - (J) STA 61+89.65 NORTH SEWER = STA 2463+15.38 EXISTING NSRR (MP DH-415.53) TOP OF TIE EL 606.04
 - (K) STA 62+08.75 NORTH SEWER = STA 47815+52.17 UPRR MAIN 1 (MP 186.24) TOP OF TIE EL 607.70
 - (L) STA 62+67.45 NORTH SEWER = STA 82463+17.64 STAGE 2 MAIN (MP DH-415.53) TOP OF TIE EL 607.64
 - (M) STA 62+83.45 NORTH SEWER = STA 92463+07.63 STAGE 2 TRACK 1 TOP OF TIE EL 607.64

ALIGNMENT CONTROLS RELOCATED LAUREL STREET NORTH SEWER

STRUCTURE NO.	STATION	NORTHING	EASTING	COMMENTS
NA	60+00.00	1135265.27	2443417.18	BEGINNING CONTROL POINT
L29	60+10.00	1135266.36	2443427.13	W.P. OF STRUCTURE
L31	63+55.90	1135304.05	2443770.97	W.P. OF STRUCTURE
L25	65+75.99	1135239.83	2443981.48	**
NA	65+78.85	1135239.87	2443984.48	ENDING CONTROL POINT

** = W.P. OF STRUCTURE, OFFSET 0.90' RIGHT, SEE MH DETAIL L25, SHEET DRAINAGE DETAILS - 4



FILE NAME =	USER NAME = pop02275	DESIGNED - JWM	REVISED -
D689L0179B-shr-plnprf-LAU10-004.dgn		DRAWN - CLG	REVISED -
PLN		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PLAN AND PROFILE - RELOCATED LAUREL STREET NORTH SEWER
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

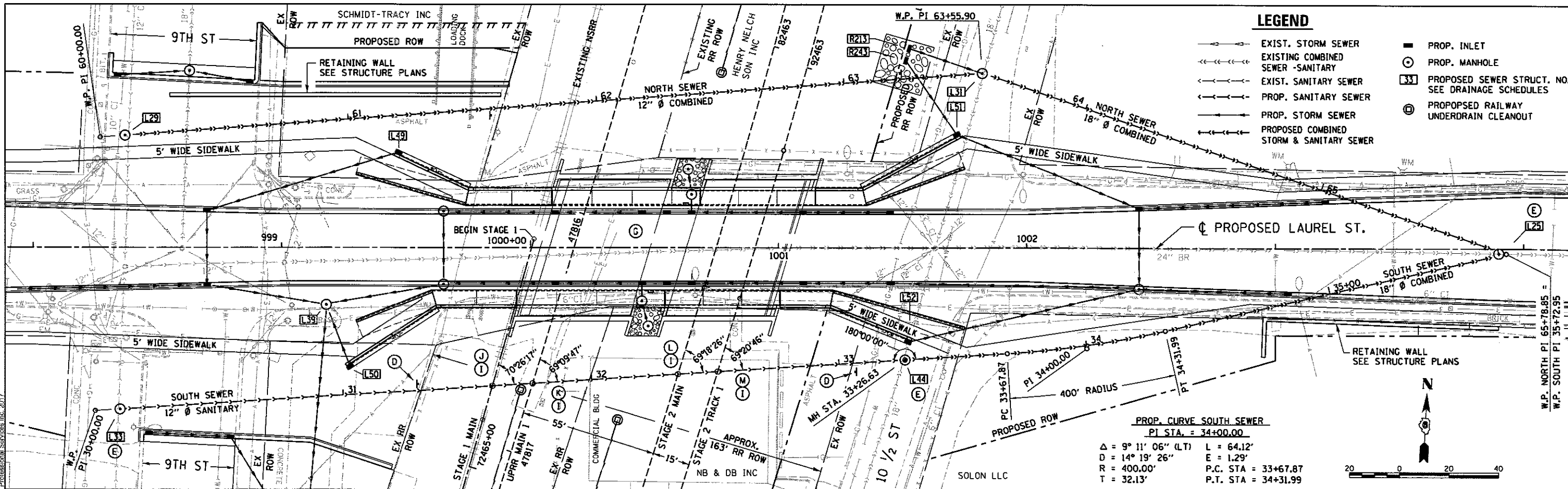
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	101
	09L0179B		CONTRACT NO.	93704
			ILLINOIS FED. AID PROJECT	

DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 RT. OF WAY: _____
 FILE NAME: _____



DATE: _____
 BY: _____
 SURVEYED: _____
 FRAMES CHECKED: _____
 B.A. NOTED: _____
 STRUCTURE: _____
 NOTATIONS: _____
 CHKD: _____

FINAL
 DESIGNED: JWM 7/20/2015
 DRAWN: CLG 7/20/2015
 REVIEWED: MMN 10/17/2016

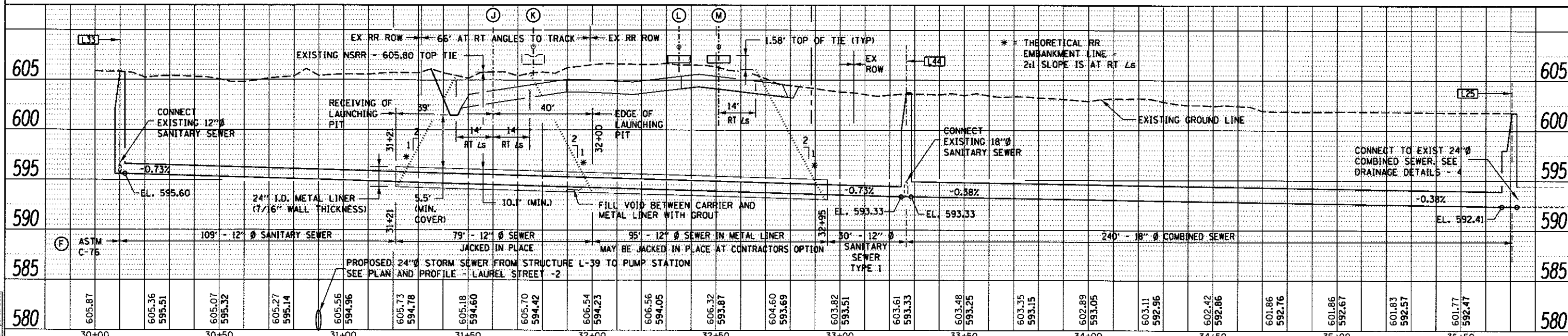


- NOTES**
- (A) CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK SOUTHERN'S NSCE-8 SPECIFICATIONS.
 - (B) PIPELINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LAST APPROVED "AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION" SPECIFICATIONS FOR PIPELINES CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.
 - (C) BLASTING NOT PERMITTED
 - (D) PIPELINE MARKER SIGN NOTE, COST INCLUDED WITH 12" Ø SS
 - (E) FIELD VERIFY LOCATION
 - (F) THE 12" DIAMETER SANITARY SEWER SHALL BE CONSTRUCTED DURING STAGE 2A, PRIOR TO STAGE 2 TRACK CONSTRUCTION.
 - (G) SEE LAUREL STREET PLAN & PROFILES ALONG WITH THE ENLARGED PLAN DETAIL SHEETS FOR INFORMATION NOT SHOWN ON THIS SHEET.
 - (H) SEE STRUCTURE PLANS FOR LIMITS AND DETAILS OF MSE WALLS AND TANGENT PILE SUPPORTED WALLS ADJACENT TO PROPOSED NSRR AND UPRR RAILWAY BRIDGE STRUCTURES.
 - (I) BASED ON LOCAL TANGENT AT ALIGNMENT INTERSECTION
 - (J) STA 31+59.98 SOUTH SEWER = STA 72464+66.06 STAGE 1 MAIN 1 (MP DH-415.56) TOP OF TIE EL 605.86
 - (K) STA 31+76.17 SOUTH SEWER = STA 47816+71.11 UPRR MAIN 1 (MP 186.26) TOP OF TIE EL 607.70
 - (L) STA 32+34.99 SOUTH SEWER = STA 82464+37.05 STAGE 2 MAIN (MP DH-415.55) TOP OF TIE EL 607.64
 - (M) STA 32+51.03 SOUTH SEWER = STA 92464+27.17 STAGE 2 TRACK 1 TOP OF TIE EL 607.64

ALIGNMENT CONTROLS RELOCATED LAUREL STREET SOUTH SEWER

STRUCTURE NO.	STATION	NORTHING	EASTING	COMMENTS
NA	30+00.00	1135155.37	2443419.23	BEGINNING CONTROL POINT
L33	30+10.00	1135156.36	2443429.18	W.P. OF STRUCTURE
L44	33+26.63	1135187.99	2443744.23	W.P. OF STRUCTURE
PI	34+00.00	1135195.31	2443817.23	PI CONTROL POINT
L25	35+69.48	1135239.83	2443981.48	**
NA	35+72.95	1135239.87	2443984.48	ENDING CONTROL POINT

** = W.P. OF STRUCTURE, OFFSET 0.74' LEFT, SEE MH DETAIL L25, SHEET DRAINAGE DETAILS - 4



FILE NAME	USER NAME	DESIGNED	REVISIONS	SCALE	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT	SHEET	TOTAL SHEETS
D:\09L0179B-shrt-pln\prf-LAU18-205.dgn	pop@0275	JWM	REVISED - REVISED - REVISED - REVISED -	48.0' / 1"	2/24/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - RELOCATED LAUREL STREET SOUTH SEWER	1	403

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00477-00-BR	09L0179B	SANGAMON	403	102

CONTRACT NO. 93704
 ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
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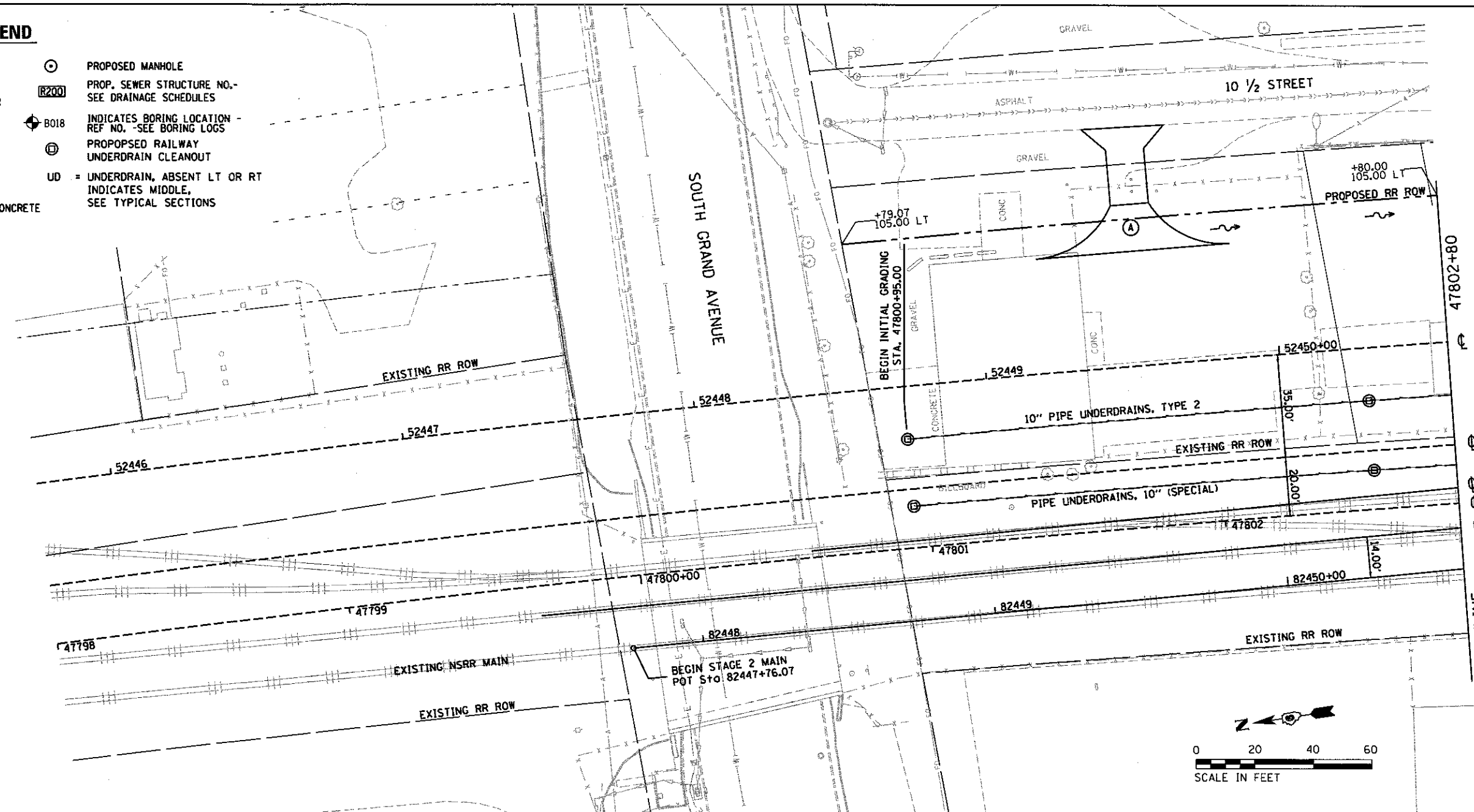


PROFILE	SURVEYED	DATE
	GRADES	
	NOTED	
	CHECKED	
	BY	
	NO.	

DESIGNED	JMM	7/20/2015
DRAWN	DJP/CLG	7/20/2015
REVIEWED	MNM	6/11/2016
FILE NAME	D:\09\18179B-PP-US2-TRACK1.dgn	
USER NAME	pop02275	
DESIGNED	JWM	REVISED
DRAWN	DJP/CLG	REVISED
CHECKED	JWM/MNM	REVISED
DATE		REVISED

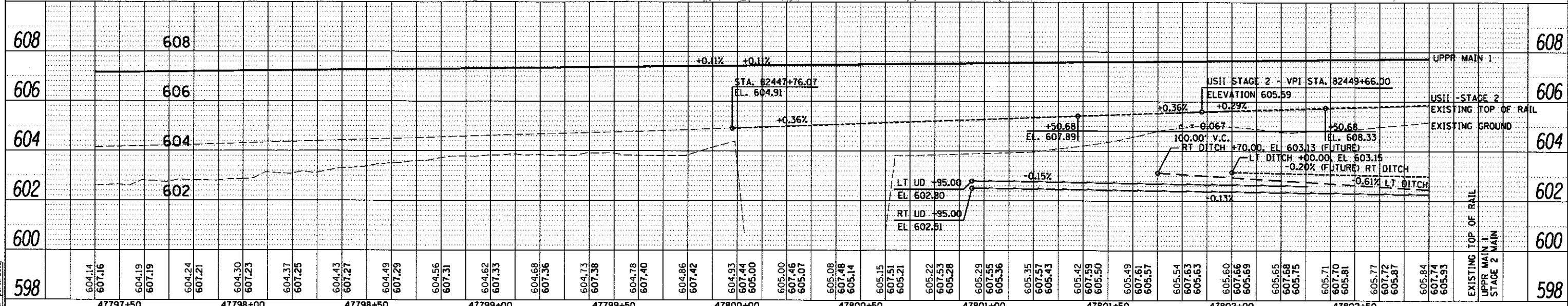
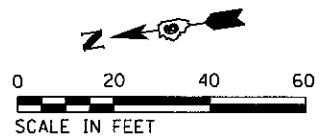
LEGEND

- > EXIST. STORM SEWER
- > PROP. STORM SEWER
- > EXIST. SANITARY SEWER
- > EXISTING COMBINED SEWER - SANITARY
- > PROPOSED COMBINED SEWER - SANITARY
- PROPOSED INLET
- △ PRECAST REINFORCED CONCRETE END SECTION
- ~> DITCH FLOW DIRECTION
- ⊙ PROPOSED MANHOLE
- Ⓡ200 PROP. SEWER STRUCTURE NO.- SEE DRAINAGE SCHEDULES
- ⊕ B018 INDICATES BORING LOCATION - REF NO. -SEE BORING LOGS
- ⊕ PROPOSED RAILWAY UNDERDRAIN CLEANOUT
- UD = UNDERDRAIN, ABSENT LT OR RT INDICATES MIDDLE, SEE TYPICAL SECTIONS



NOTES

A SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS			14-00477-00-BR	SANGAMON	403	103
PLAN AND PROFILE - USABLE SEGMENT II TRACK - 1			09L0179B		CONTRACT NO.	93704
SCALE: 1"=20'		SHEET 1 OF 11 SHEETS		STA. 47797+40 TO STA. 47803+60		ILLINOIS FED. AID PROJECT

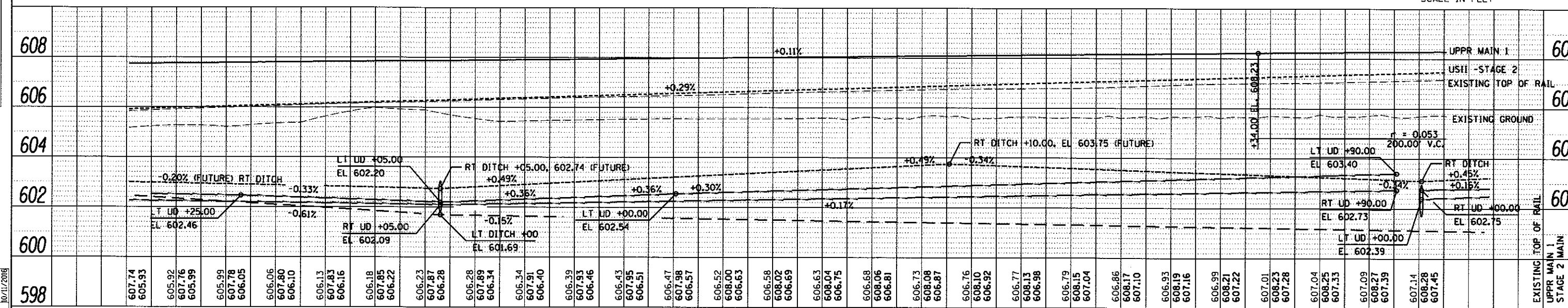
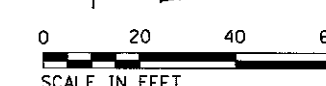
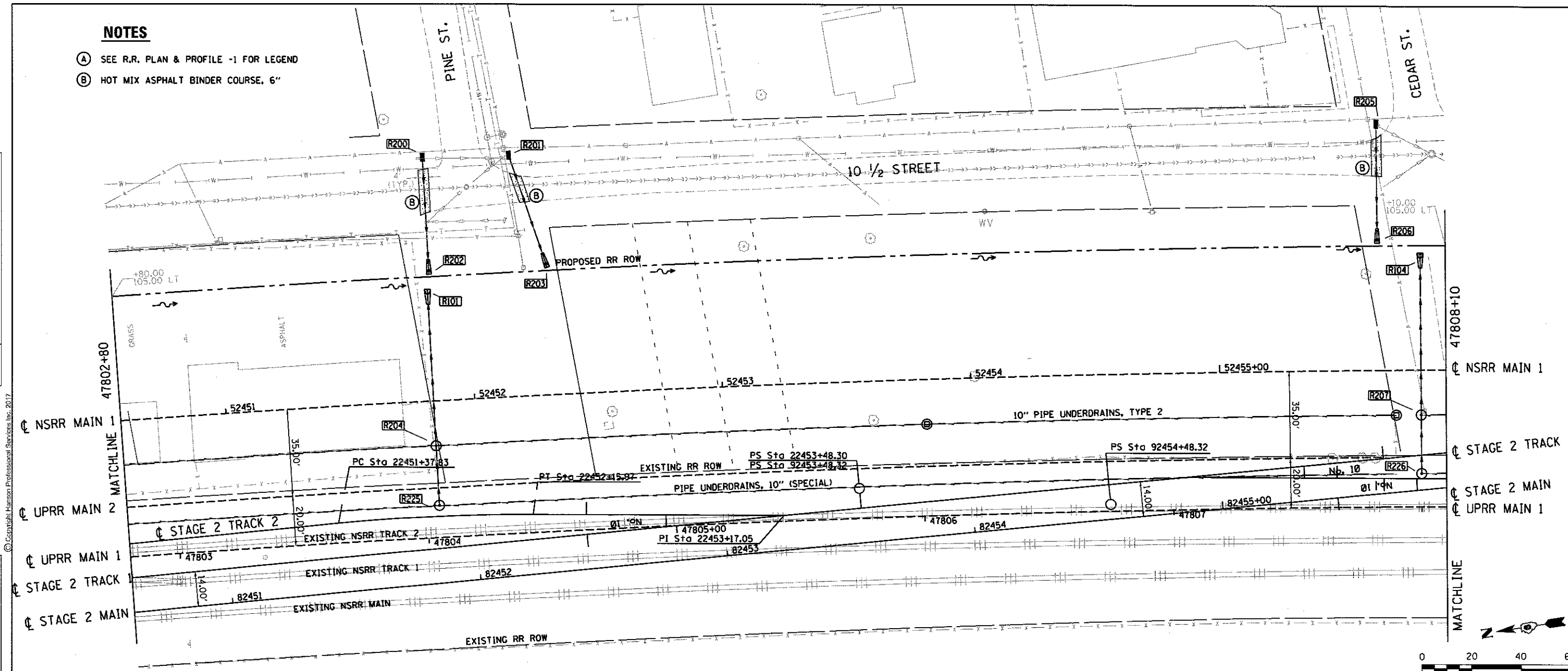
NOTES

- (A) SEE R.R. PLAN & PROFILE -1 FOR LEGEND
- (B) HOT MIX ASPHALT BINDER COURSE, 6"

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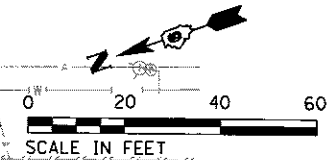


FINAL
DESIGNED - JWM / 1/20/2015
DRAWN - DJP/CLG / 7/20/2015
CHECKED - JWM/MNM
DATE - 2/24/2017

FILE NAME =	USER NAME = pop82275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D609L0179B-PP-US2-TRACK2.dgn		DRAWN - DJP/CLG	REVISED -			14-00477-00-BR	SANGAMON	403	104	
M2		CHECKED - JWM/MNM	REVISED -			09L0179B			CONTRACT NO. 93704	
		DATE - 2/24/2017	REVISED -			SCALE: 1"=20'			SHEET 2 OF 11 SHEETS	STA. 47802+80 TO STA. 47808+10

NOTES

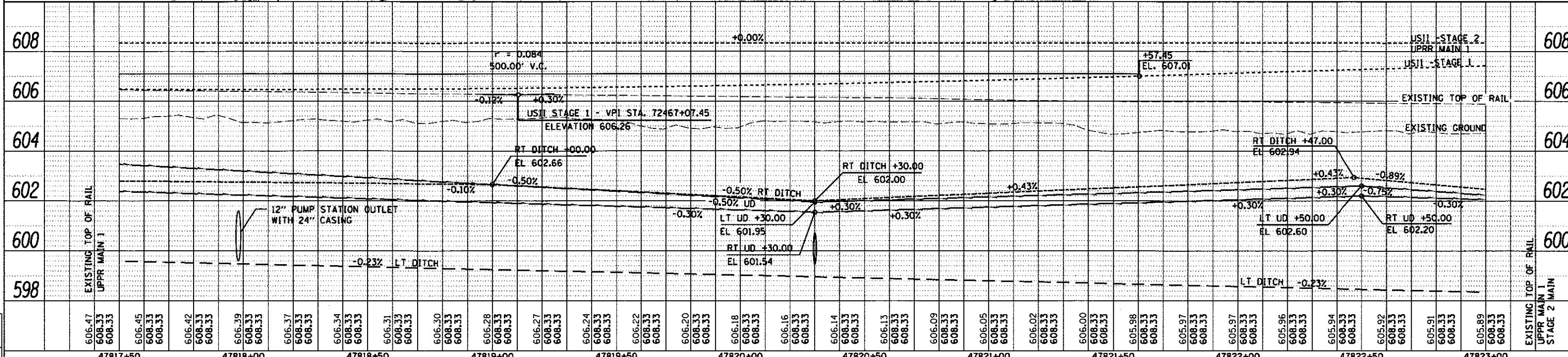
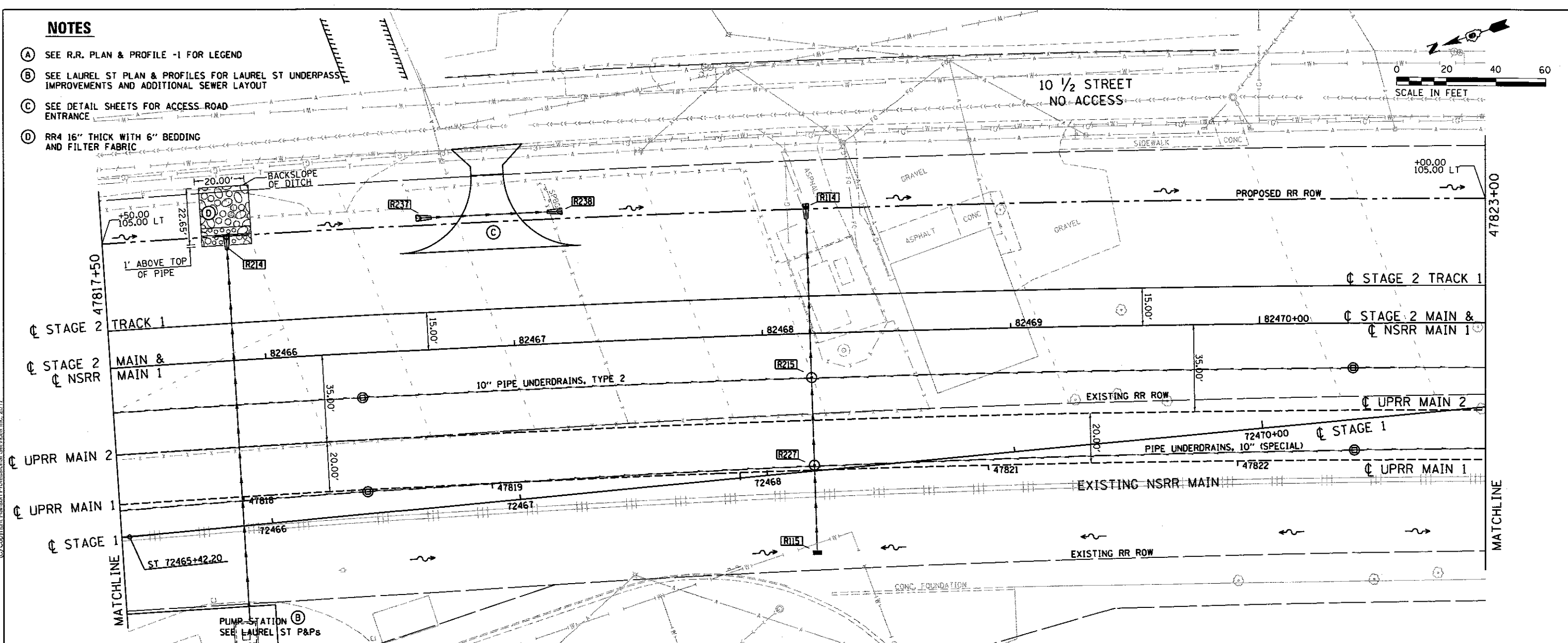
- (A) SEE R.R. PLAN & PROFILE -1 FOR LEGEND
- (B) SEE LAUREL ST PLAN & PROFILES FOR LAUREL ST UNDERPASS IMPROVEMENTS AND ADDITIONAL SEWER LAYOUT
- (C) SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCE
- (D) RR4 16" THICK WITH 6" BEDDING AND FILTER FABRIC



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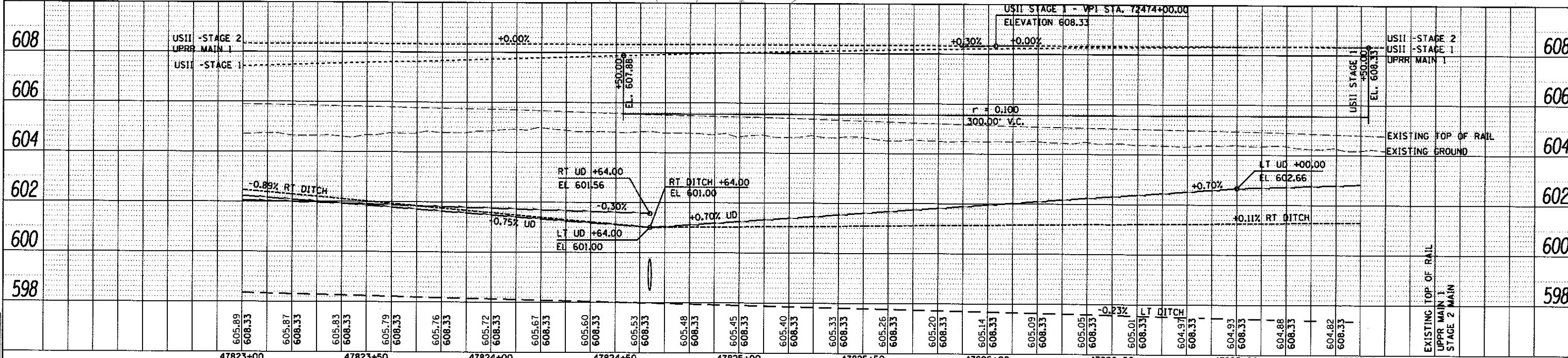
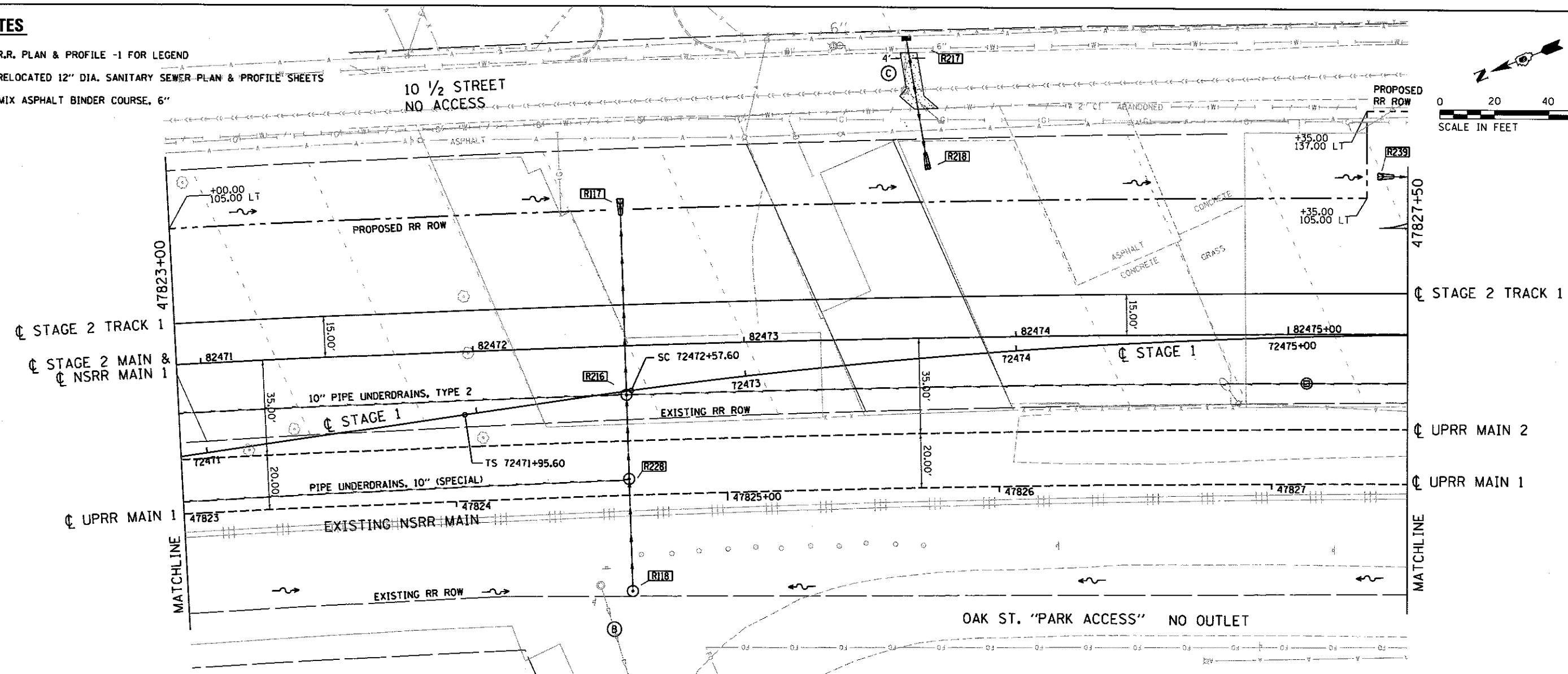
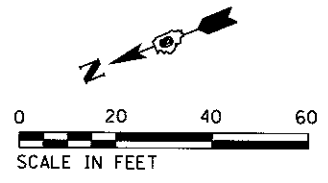


FINAL
 DESIGNED: JWM 7/20/2015
 DRAWN: DJP/CLG 7/20/2015
 CHECKED: MNM 6/17/2016

FILE NAME = D:\09\18179B-PP-US2-TRACK5.dgn	USER NAME = pop@9275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 5	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLT SCALE = 48.00' / in.	CHECKED - JWM/MNM	REVISED -	09L0179B			14-00477-00-BR	SANGAMON	403	107	
PLT DATE = 2/24/2017	DATE -	REVISED -	CONTRACT NO. 93704			ILLINOIS FED. AID PROJECT				
SCALE: 1"=20'		SHEET 5 OF 11 SHEETS				STA. 47817+50 TO STA. 47823+00				

NOTES

- (A) SEE R.R. PLAN & PROFILE -1 FOR LEGEND
- (B) SEE RELOCATED 12" DIA. SANITARY SEWER PLAN & PROFILE SHEETS
- (C) HOT MIX ASPHALT BINDER COURSE, 6"



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DESIGNED	JWM	1/20/2015
DRAWN	DJP/CLG	1/20/2015
CHECKED	JWM/MNM	1/21/2015
REVIEWED		

FILE NAME = D:\09L0179B-PP-US2-TRACK6.dgn	USER NAME = pap8275	DESIGNED - JWM	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 6	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLT SCALE = 40.00' / 1"	CHECKED - JWM/MNM	REVISOR -	14-00477-00-BR		SANGAMON	403	108		
PLT DATE = 2/24/2017	DATE -	REVISOR -	09L0179B		CONTRACT NO. 93704				
					ILLINOIS FED. AID PROJECT				

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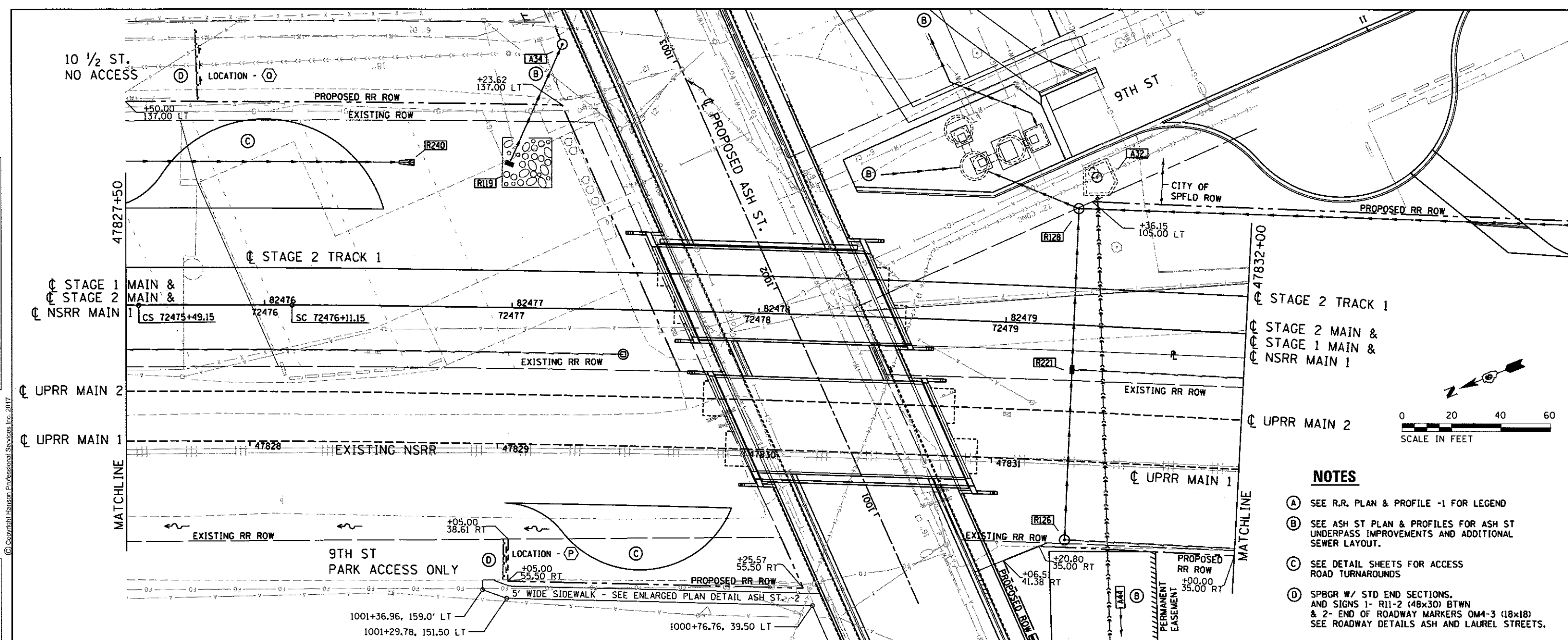


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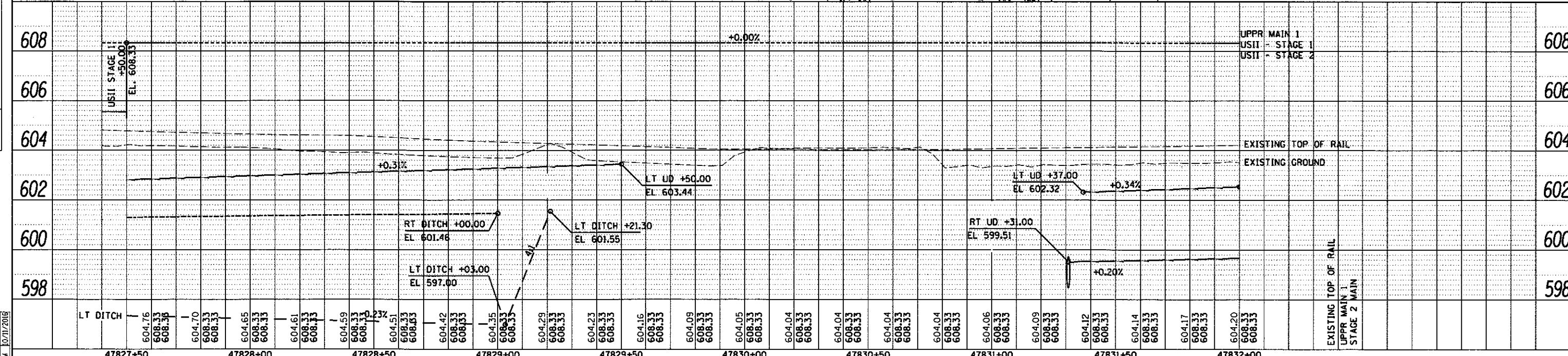
FINAL
 DESIGNED: JMM 7/20/2018
 DRAWN: DJP/CLG 7/20/2018
 CHECKED: JMM 8/17/2018

PLAN
 NOTE BOOK NO.
 CHECKED
 DATE

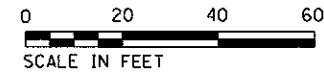
PROFILE
 NOTE BOOK NO.
 CHECKED
 DATE



- NOTES**
- (A) SEE R.R. PLAN & PROFILE -1 FOR LEGEND
 - (B) SEE ASH ST PLAN & PROFILES FOR ASH ST UNDERPASS IMPROVEMENTS AND ADDITIONAL SEWER LAYOUT.
 - (C) SEE DETAIL SHEETS FOR ACCESS ROAD TURNAROUNDS
 - (D) SPBGR W/ STD END SECTIONS. AND SIGNS 1- R11-2 (48x30) BTWN & 2- END OF ROADWAY MARKERS OM4-3 (18x18) SEE ROADWAY DETAILS ASH AND LAUREL STREETS.



FILE NAME =	USER NAME = pop@2275	DESIGNED - JMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 7	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6589L0179B-PP-US2-TRACK7.dgn		DRAWN - DJP/CLG	REVISED -			14-00477-00-BR	SANGAMON	403	109	
PLOT SCALE = 40.00' / IN.		CHECKED - JMM/JMM	REVISED -			09L0179B			CONTRACT NO. 93704	
PLOT DATE = 2/24/2017		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



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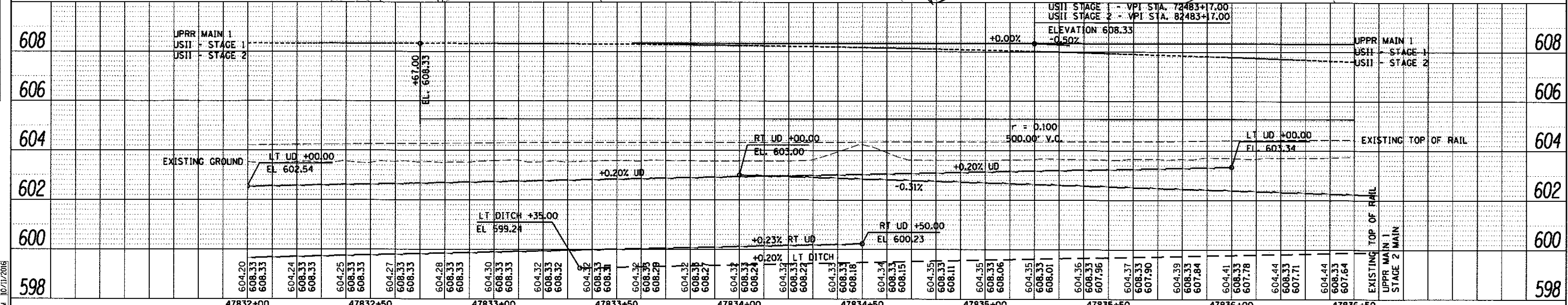
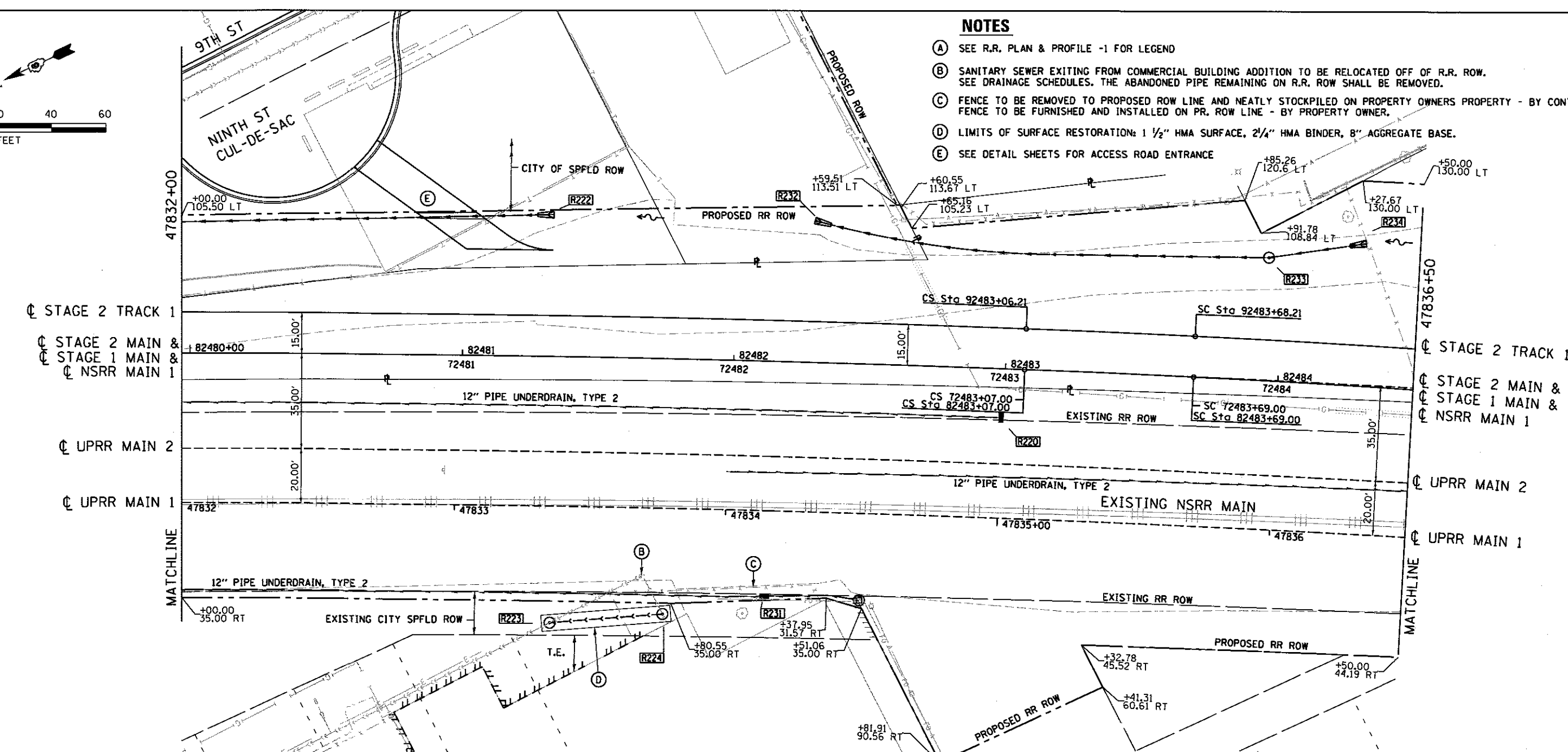


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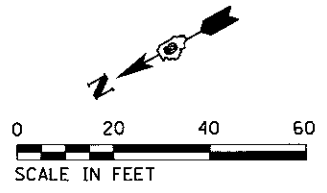
FINAL
 DESIGNED - JMM 1/20/2015
 DRAWN - DJP/CLG 2/20/2015
 CHECKED - JMM 10/31/2015

NOTES

- (A) SEE R.R. PLAN & PROFILE -1 FOR LEGEND
- (B) SANITARY SEWER EXITING FROM COMMERCIAL BUILDING ADDITION TO BE RELOCATED OFF OF R.R. ROW. SEE DRAINAGE SCHEDULES. THE ABANDONED PIPE REMAINING ON R.R. ROW SHALL BE REMOVED.
- (C) FENCE TO BE REMOVED TO PROPOSED ROW LINE AND NEATLY STOCKPILED ON PROPERTY OWNERS PROPERTY - BY CONTRACTOR. FENCE TO BE FURNISHED AND INSTALLED ON PR. ROW LINE - BY PROPERTY OWNER.
- (D) LIMITS OF SURFACE RESTORATION: 1 1/2" HMA SURFACE, 2 1/4" HMA BINDER, 8" AGGREGATE BASE.
- (E) SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCE



FILE NAME : D:\09L0179B-PP-US2-TRACK8.dgn	USER NAME : pop0275	DESIGNED - JMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 8				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40.00' / in.	CHECKED - JMM/MNM	DRAWN - DJP/CLG	REVISED -	SCALE: 1"=20'				SHEET 8 OF 11 SHEETS				14-00477-00-BR	SANGAMON	403	110	
PLOT DATE = 2/24/2017	DATE -	REVIEWED -	REVISED -	STA. 47832+00 TO STA. 47836+50				CONTRACT NO. 93704				ILLINOIS FED. AID PROJECT				



LEGEND
 UD = UNDERDRAIN, ABSENT LT OR RT INDICATES MIDDLE, SEE TYP. SECTS

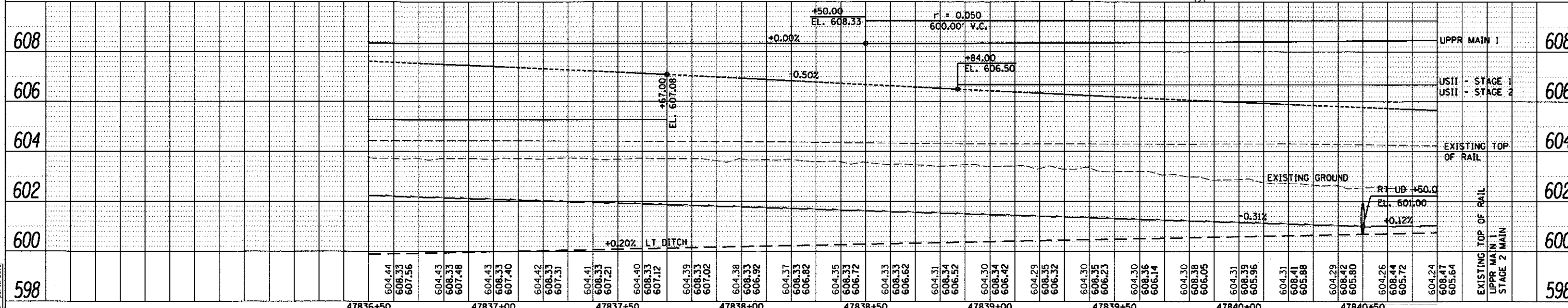
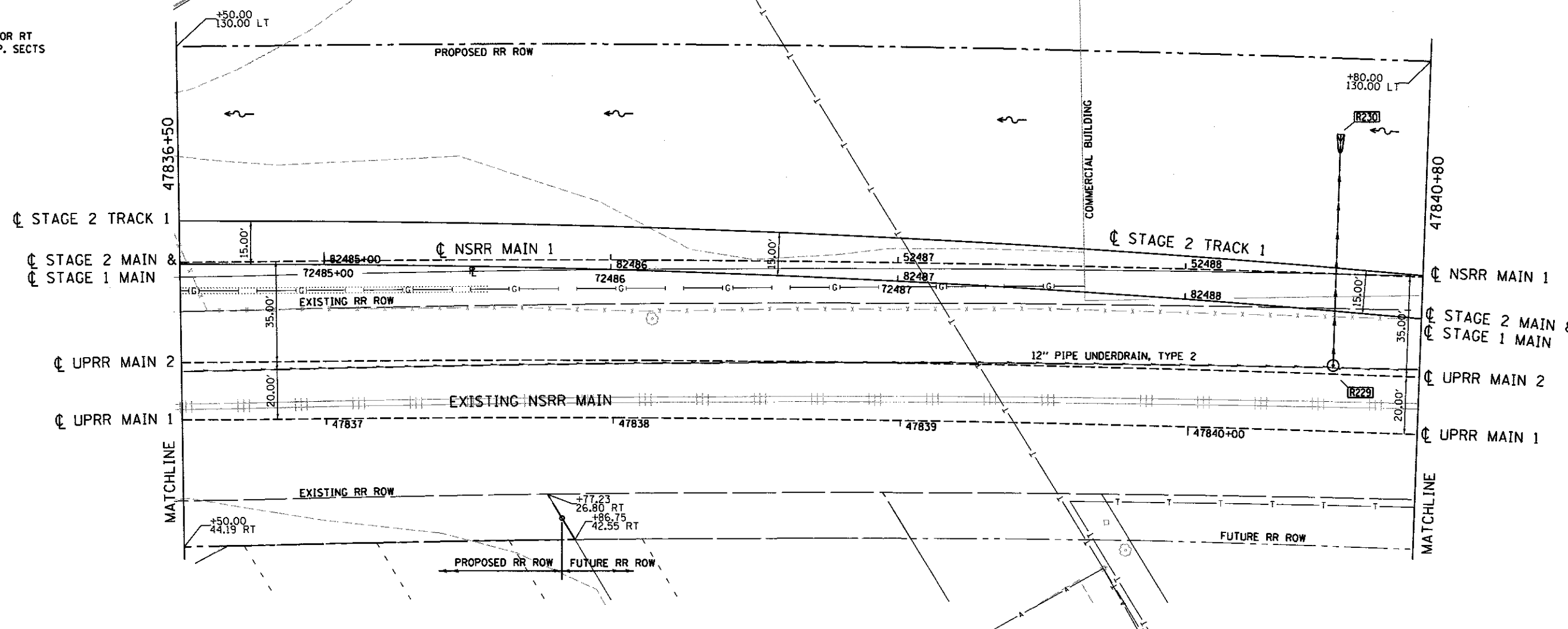
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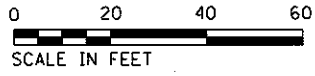
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PROFILER	
NOTED	
NO.	

FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - DJP/CLG 7/20/2015
 REVIEWED - MNN 10/17/2016



FILE NAME = 0689L0179B-PP-US2-TRACK9.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 9	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
M9	PLOT SCALE = 48.00' / in.	DRAWN - DJP/CLG	REVISED -			14-00477-00-BR	SANGAMON	403	111	
	PLOT DATE = 2/24/2017	CHECKED - JWM/MNN	REVISED -			09L0179B			CONTRACT NO. 93704	
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

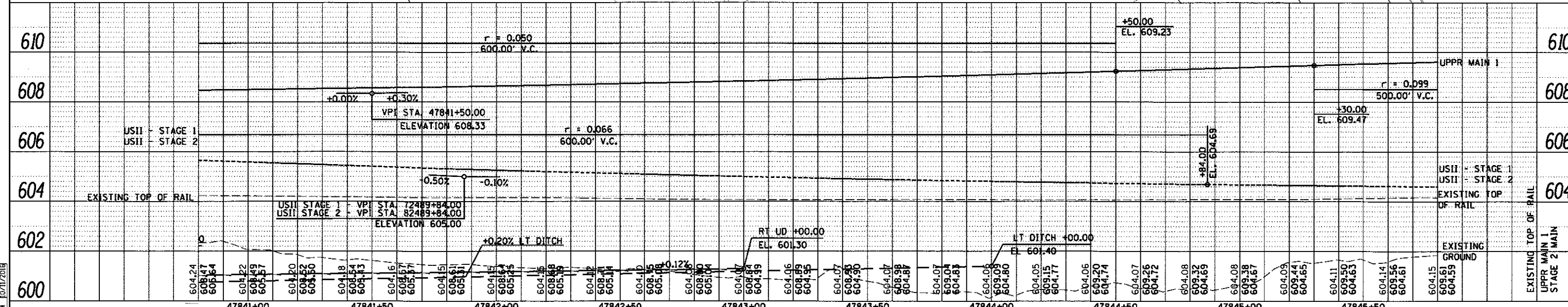
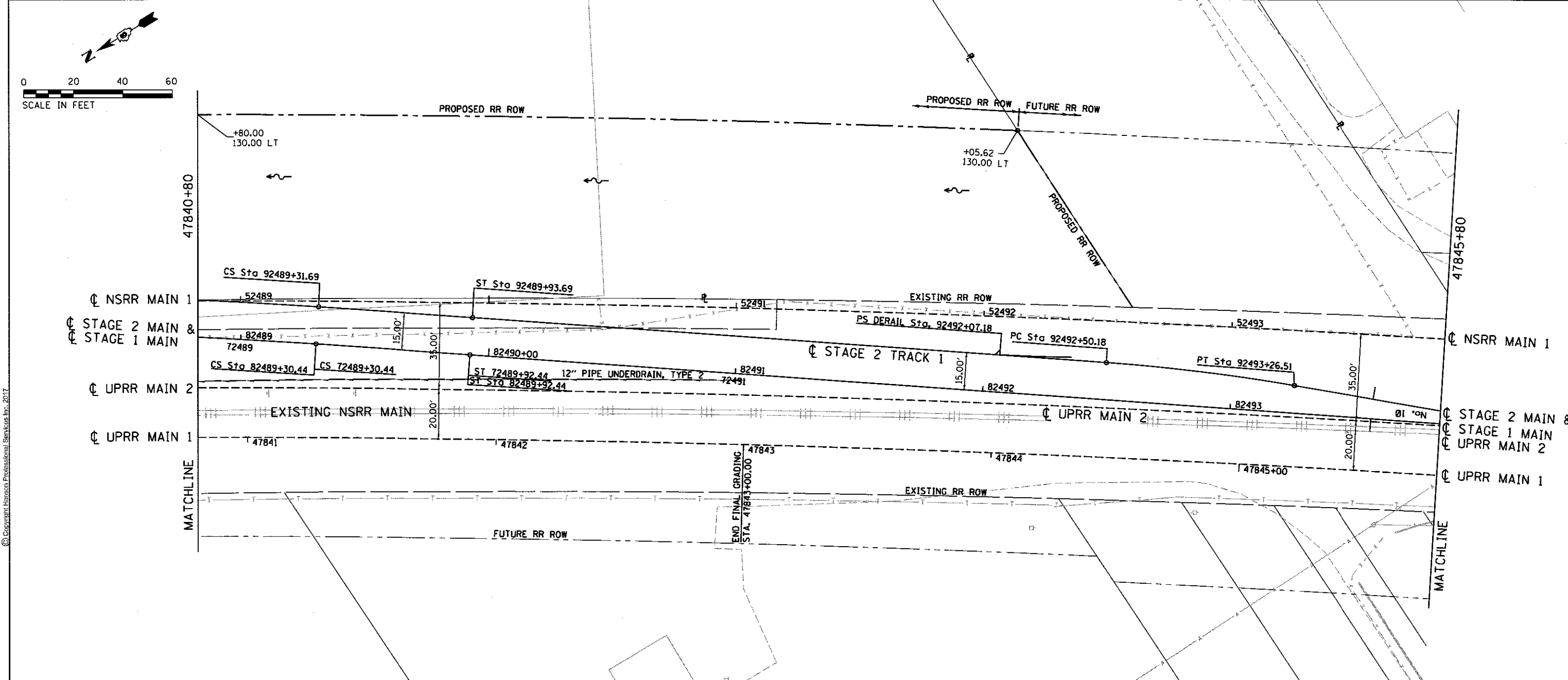


PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	FILE NAME		
	NO.		



PROFILE	SURVEYED	BY	DATE
	CHANGED		
	NOTED		
	STRUCTURE		
	NOTATIONS		
	CHKO		

FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - DJP/CLG 7/20/2015
 REVIEWED - MNM 6/17/2016



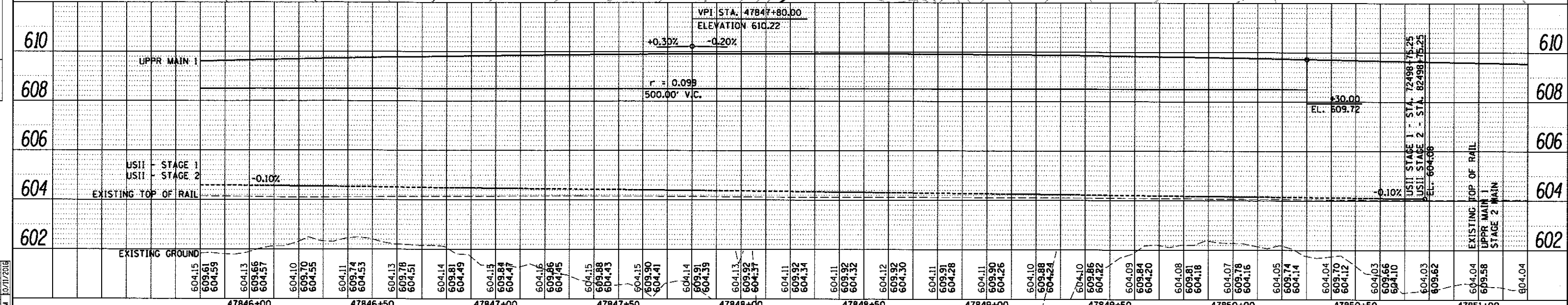
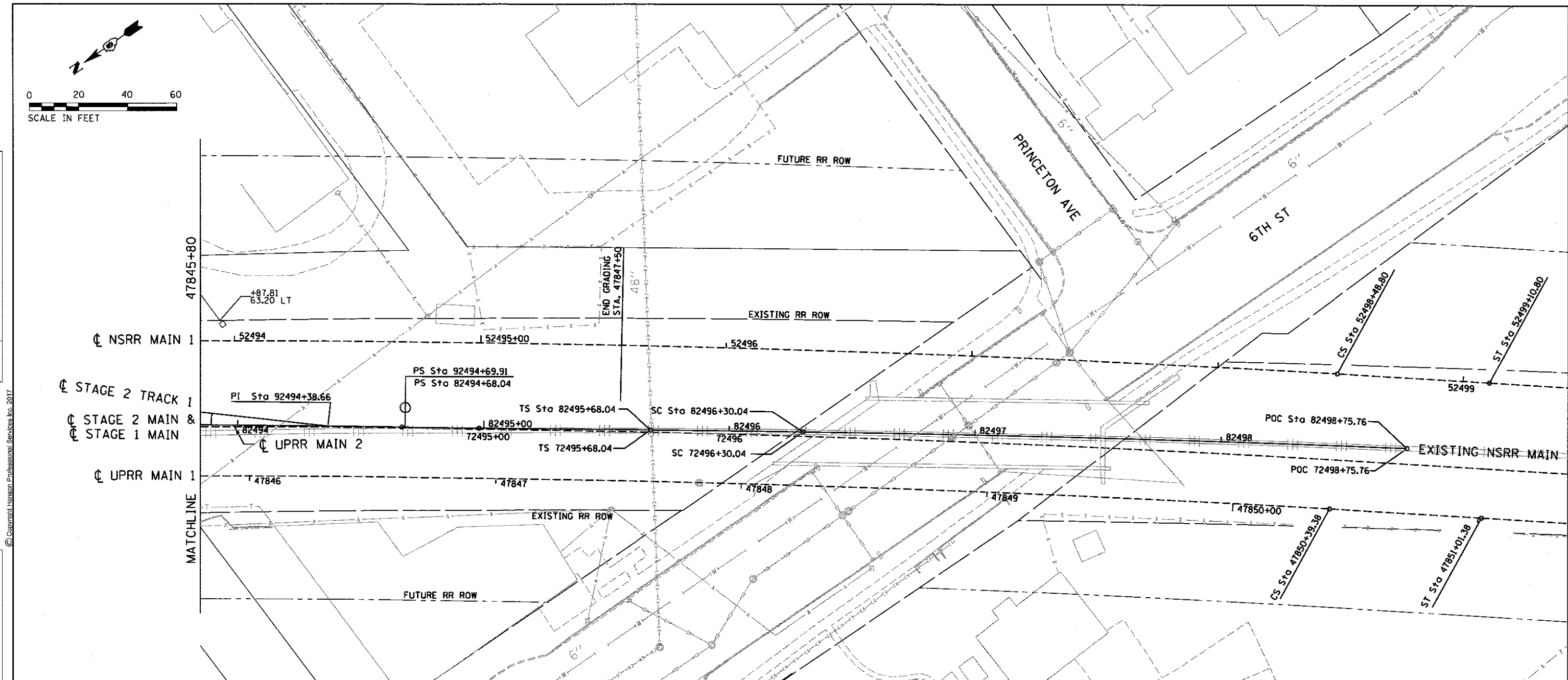
FILE NAME = 0609L0179B-PP-US2-TRACK10.dgn	USER NAME = pop02275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 10			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
M10	PLOT SCALE = 1/8" = 1'	CHECKED - JWM/MNM	REVISED -		SCALE: 1"=20'	SHEET 10 OF 11 SHEETS	STA. 47840+80 TO STA. 47845+80	14-00477-00-BR	SANGAMON	403	112	
	PLOT DATE = 2/24/2017	DATE -	REVISED -					09L0179B			CONTRACT NO. 93704	
								ILLINOIS FED. AID PROJECT				



DATE	
BY	
PLAN	
SURVEYED	
NOTE BOOK	
NO.	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
FILE NAME	

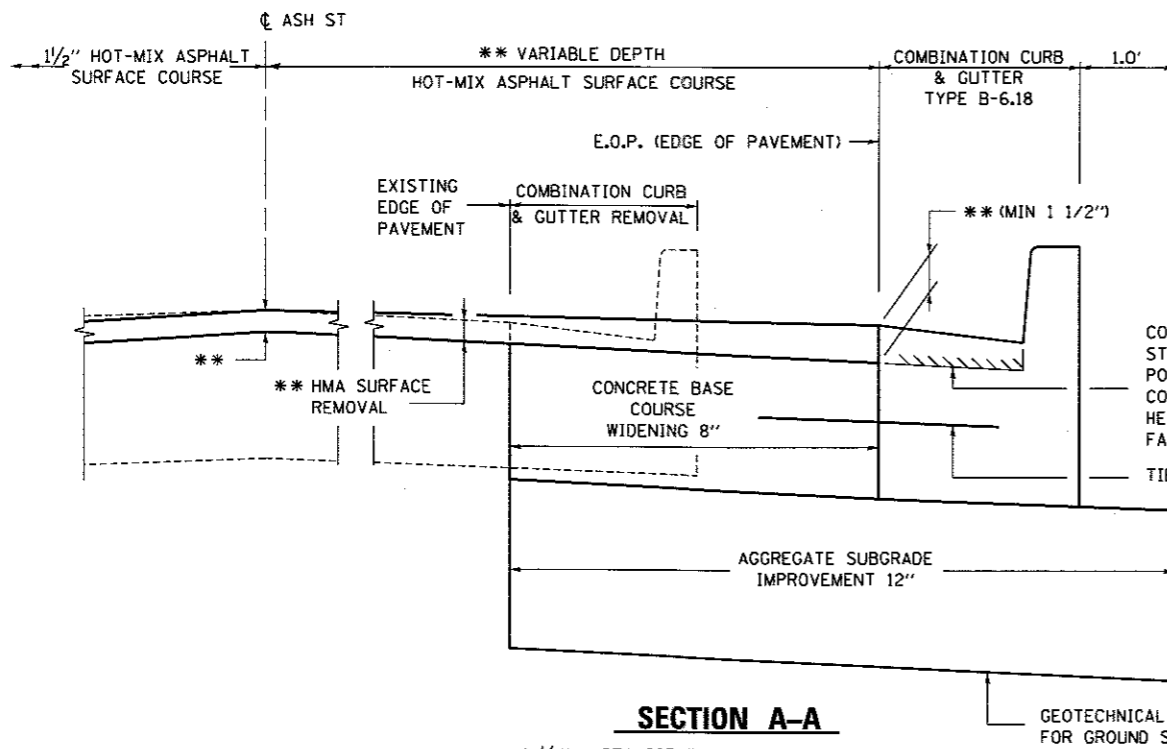


DATE	
BY	
PROFILE	
SURVEYED	
NOTE BOOK	
NO.	
GRADES	
CHECKED	
BL. NOTED	
STRUCTURE	
NOTATIONS	
CHFD	



FINAL
DESIGNED - JWM 1/20/2015
DRAWN - DJP/CLG 7/20/2015
REVIEWED - MMM 6/17/2016

FILE NAME = 06091.0179B-PP-US2-TRACK11.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PLAN AND PROFILE - USABLE SEGMENT II TRACK - 11	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
M11	PLOT SCALE = 1/8" = 1'	CHECKED - JWM/MMM	REVISED -		14-00477-00-BR	SANGAMON	403	113	
	PLOT DATE = 2/24/2017	DATE -	REVISED -		09L0179B			CONTRACT NO. 93704	
					SCALE: 1"=20'	SHEET 11 OF 11 SHEETS	STA. 47845+80 TO STA. 47851+00	ILLINOIS FED. AID PROJECT	



SECTION A-A
 ** = 1 1/2" - STA 995+36.67 TO STA 997+60
 ** = 1 1/2" MIN. - STA 997+60 TO STA 997+80 & STA 1005+93.56 TO STA 1006+40.00

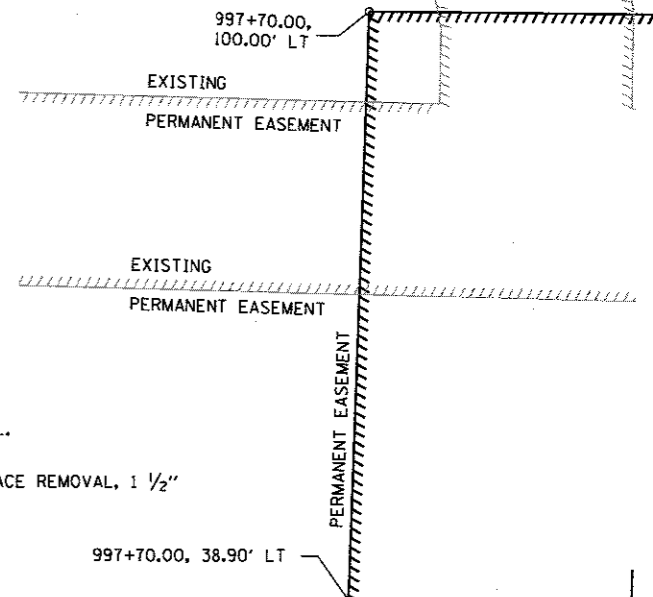
POINT (#)	STATION	OFFSET	ELEVATION
26	995+36.67	35.50' RT	NA
27	995+30.36	33.50' RT	600.42
28	995+35.36	33.50' RT	600.82
29	995+26.93	35.27' RT	600.8 EX
30	995+27.44	33.50' RT	600.42 BC
31	995+27.62	32.88' RT	NA
32	995+30.36	28.50' RT	600.34 BC

POINT (#)	STATION	OFFSET	ELEVATION
33	995+36.67	24.00' RT	600.16
34	996+40.00	24.00' RT	NA
35	997+80.00	24.00' RT	600.26
36	997+80.00	11.00' RT	601.04
37	997+80.00	0.00'	601.48
38	997+80.00	11.00' LT	601.37
39	997+80.00	24.00' LT	600.96

EX - INDICATES MATCH EXISTING
 BC - INDICATES BACK OF DEPRESSED CURB AT SIDEWALK RAMP.

NOTES

- (A) - SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) - SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) - PORTLAND CEMENT CONCRETE SIDEWALK 4". WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC SIDEWALK 4".
- (D) - LIMITS OF COMBINATION CC&G TY B-6.18
- (E) - SEE ENTRANCE/ALLEY PEDESTRIAN CROSSINGS STD 424026 (INCLUDES DETECTABLE WARNING DETAILS)
- (F) - HMA SURFACE COURSE SHALL MATCH EXISTING SURFACE AT THE 1 1/2" DEEP SURFACE REMOVAL SAW CUT. THE COST OF SAW CUTTING INCLUDED IN CONTRACT PRICE FOR SURFACE REMOVAL.
- (G) - VARIABLE DEPTH MILLING IS PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- (H) - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH



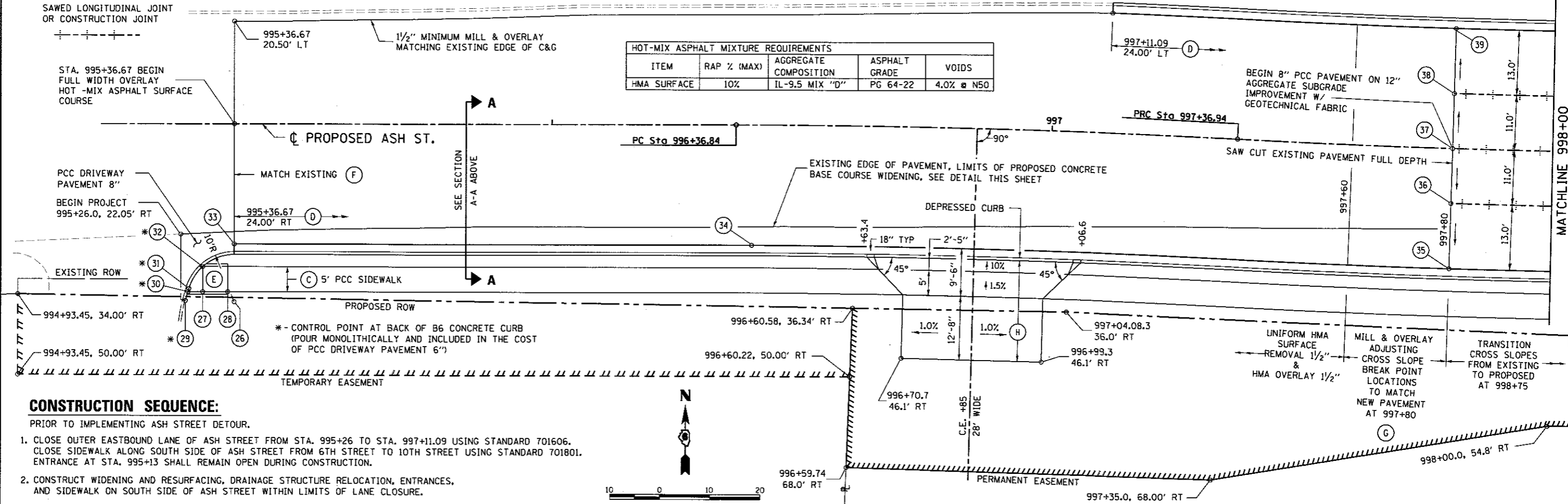
LEGEND

SAWED LONGITUDINAL JOINT OR CONSTRUCTION JOINT

STA. 995+36.67 BEGIN FULL WIDTH OVERLAY HOT-MIX ASPHALT SURFACE COURSE

PCC DRIVEWAY PAVEMENT 8" BEGIN PROJECT 995+26.0, 22.05' RT

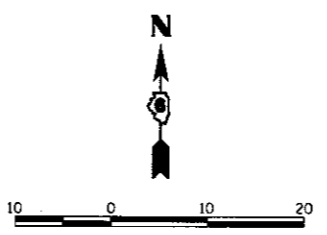
HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
ITEM	RAP % (MAX)	AGGREGATE COMPOSITION	ASPHALT GRADE	VOIDS
HMA SURFACE	10%	IL-9.5 MIX "D"	PG 64-22	4.0% @ N50



CONSTRUCTION SEQUENCE:

PRIOR TO IMPLEMENTING ASH STREET DETOUR.

1. CLOSE OUTER EASTBOUND LANE OF ASH STREET FROM STA. 995+26 TO STA. 997+11.09 USING STANDARD 701606. CLOSE SIDEWALK ALONG SOUTH SIDE OF ASH STREET FROM 6TH STREET TO 10TH STREET USING STANDARD 701801. ENTRANCE AT STA. 995+13 SHALL REMAIN OPEN DURING CONSTRUCTION.
2. CONSTRUCT WIDENING AND RESURFACING, DRAINAGE STRUCTURE RELOCATION, ENTRANCES, AND SIDEWALK ON SOUTH SIDE OF ASH STREET WITHIN LIMITS OF LANE CLOSURE.



FINAL
 DESIGNED - JWM 1/7/2015
 DRAWN - CLG 1/7/2015
 REVIEWED - MNM 10/11/2015

FILE NAME = 0689L0179B-sht-enlarged.plt-ASH10-01.dgn	USER NAME = pap02275	DESIGNED - JWM	REVISED -
PLANI	PLLOT SCALE = 20.0000' / 1"	DRAWN - CLG	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 ENLARGED PLAN DETAIL - ASH STREET-1

SCALE: 1"=10' SHEET 1 OF 4 SHEETS STA. 995+26 TO STA. 998+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	114
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

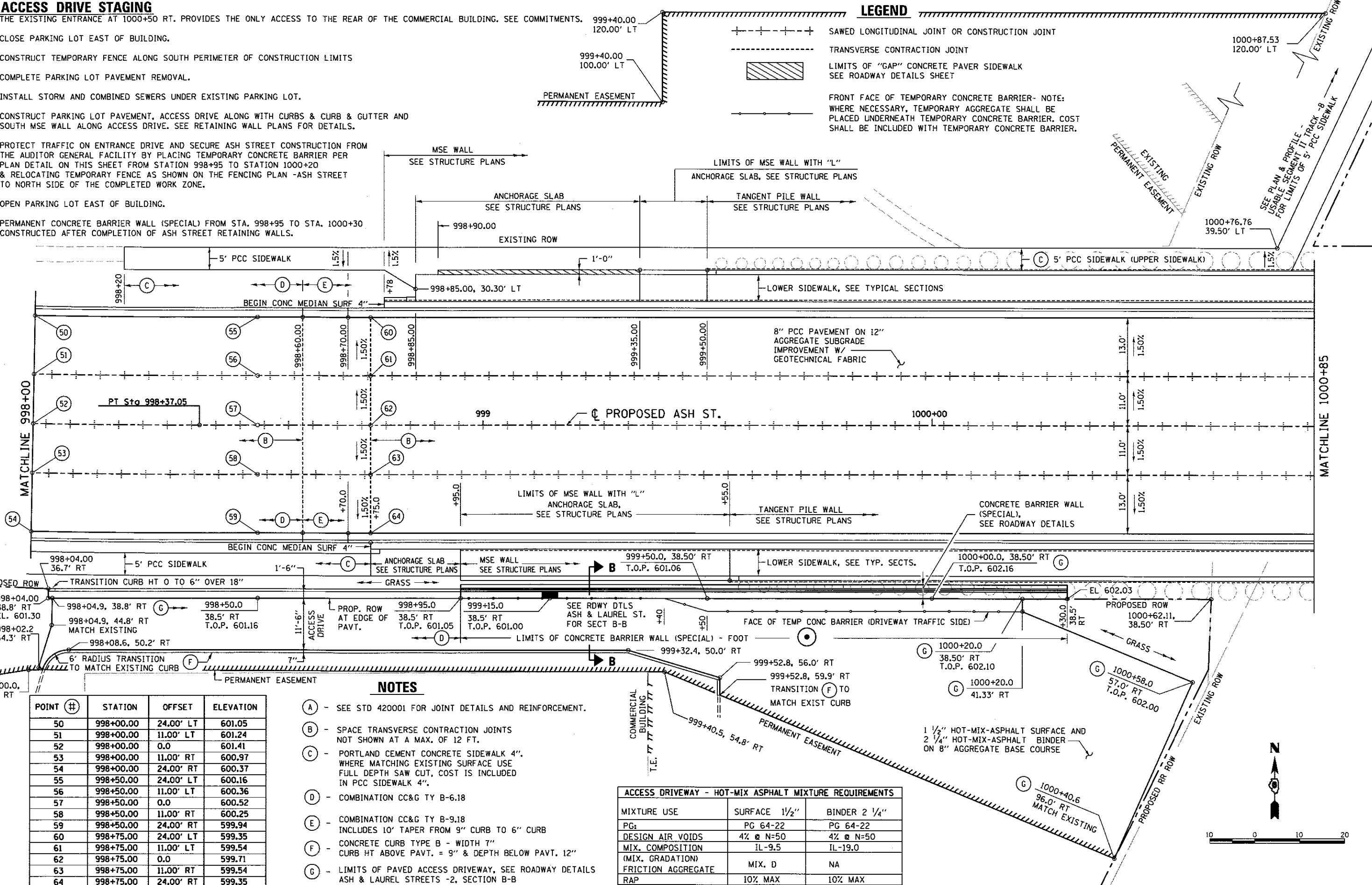
ACCESS DRIVE STAGING

THE EXISTING ENTRANCE AT 1000+50 RT. PROVIDES THE ONLY ACCESS TO THE REAR OF THE COMMERCIAL BUILDING. SEE COMMITMENTS.

- 1) CLOSE PARKING LOT EAST OF BUILDING.
- 2) CONSTRUCT TEMPORARY FENCE ALONG SOUTH PERIMETER OF CONSTRUCTION LIMITS
- 3) COMPLETE PARKING LOT PAVEMENT REMOVAL.
- 4) INSTALL STORM AND COMBINED SEWERS UNDER EXISTING PARKING LOT.
- 5) CONSTRUCT PARKING LOT PAVEMENT, ACCESS DRIVE ALONG WITH CURBS & CURB & GUTTER AND SOUTH MSE WALL ALONG ACCESS DRIVE. SEE RETAINING WALL PLANS FOR DETAILS.
- 6) PROTECT TRAFFIC ON ENTRANCE DRIVE AND SECURE ASH STREET CONSTRUCTION FROM THE AUDITOR GENERAL FACILITY BY PLACING TEMPORARY CONCRETE BARRIER PER PLAN DETAIL ON THIS SHEET FROM STATION 998+95 TO STATION 1000+20 & RELOCATING TEMPORARY FENCE AS SHOWN ON THE FENCING PLAN -ASH STREET TO NORTH SIDE OF THE COMPLETED WORK ZONE.
- 7) OPEN PARKING LOT EAST OF BUILDING.
- 8) PERMANENT CONCRETE BARRIER WALL (SPECIAL) FROM STA. 998+95 TO STA. 1000+30. CONSTRUCTED AFTER COMPLETION OF ASH STREET RETAINING WALLS.

LEGEND

- +---+---+--- SAWED LONGITUDINAL JOINT OR CONSTRUCTION JOINT
- TRANSVERSE CONTRACTION JOINT
- [Hatched Box] LIMITS OF "GAP" CONCRETE PAVER SIDEWALK SEE ROADWAY DETAILS SHEET
- FRONT FACE OF TEMPORARY CONCRETE BARRIER- NOTE: WHERE NECESSARY, TEMPORARY AGGREGATE SHALL BE PLACED UNDERNEATH TEMPORARY CONCRETE BARRIER. COST SHALL BE INCLUDED WITH TEMPORARY CONCRETE BARRIER.



NOTES

- (A) - SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) - SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) - PORTLAND CEMENT CONCRETE SIDEWALK 4". WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC SIDEWALK 4".
- (D) - COMBINATION CC&G TY B-6.18
- (E) - COMBINATION CC&G TY B-9.18 INCLUDES 10' TAPER FROM 9" CURB TO 6" CURB
- (F) - CONCRETE CURB TYPE B - WIDTH 7" CURB HT ABOVE PAVT. IS 9" & DEPTH BELOW PAVT. 12"
- (G) - LIMITS OF PAVED ACCESS DRIVEWAY, SEE ROADWAY DETAILS ASH & LAUREL STREETS -2, SECTION B-B

ACCESS DRIVEWAY - HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE 1 1/2"	BINDER 2 1/4"
PG:	PG 64-22	PG 64-22
DESIGN AIR Voids	4% @ N=50	4% @ N=50
MIX. COMPOSITION (MIX. GRADATION)	IL-9.5	IL-19.0
FRICTION AGGREGATE	MIX. D	NA
RAP	10% MAX	10% MAX

POINT #	STATION	OFFSET	ELEVATION
50	998+00.00	24.00' LT	601.05
51	998+00.00	11.00' LT	601.24
52	998+00.00	0.0	601.41
53	998+00.00	11.00' RT	600.97
54	998+00.00	24.00' RT	600.37
55	998+50.00	24.00' LT	600.16
56	998+50.00	11.00' LT	600.36
57	998+50.00	0.0	600.52
58	998+50.00	11.00' RT	600.25
59	998+50.00	24.00' RT	599.94
60	998+75.00	24.00' LT	599.35
61	998+75.00	11.00' LT	599.54
62	998+75.00	0.0	599.71
63	998+75.00	11.00' RT	599.54
64	998+75.00	24.00' RT	599.35



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FINAL
DESIGNED: JMM 7/20/2013
DRAWN: CLG 7/20/2015
REVIEWED: MM 10/11/2018

FILE NAME: D689L01798-ash-enlarged-plan-ASH-2-8L.dgn	USER NAME: pop@2275	DESIGNED: JMM	REVISED:
PLANT: PLAN2	PLOT SCALE: = 20.0000' / in.	DRAWN: CLG	REVISED:
	PLOT DATE: = 2/24/2017	CHECKED: JMM/MMM	REVISED:
		DATE:	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN DETAIL - ASH STREET-2

SCALE: 1"=10' SHEET 2 OF 4 SHEETS STA. 998+00 TO STA. 1000+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	115
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



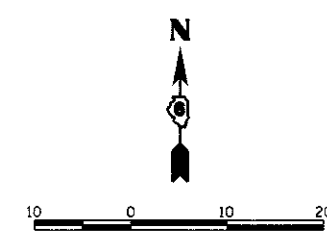
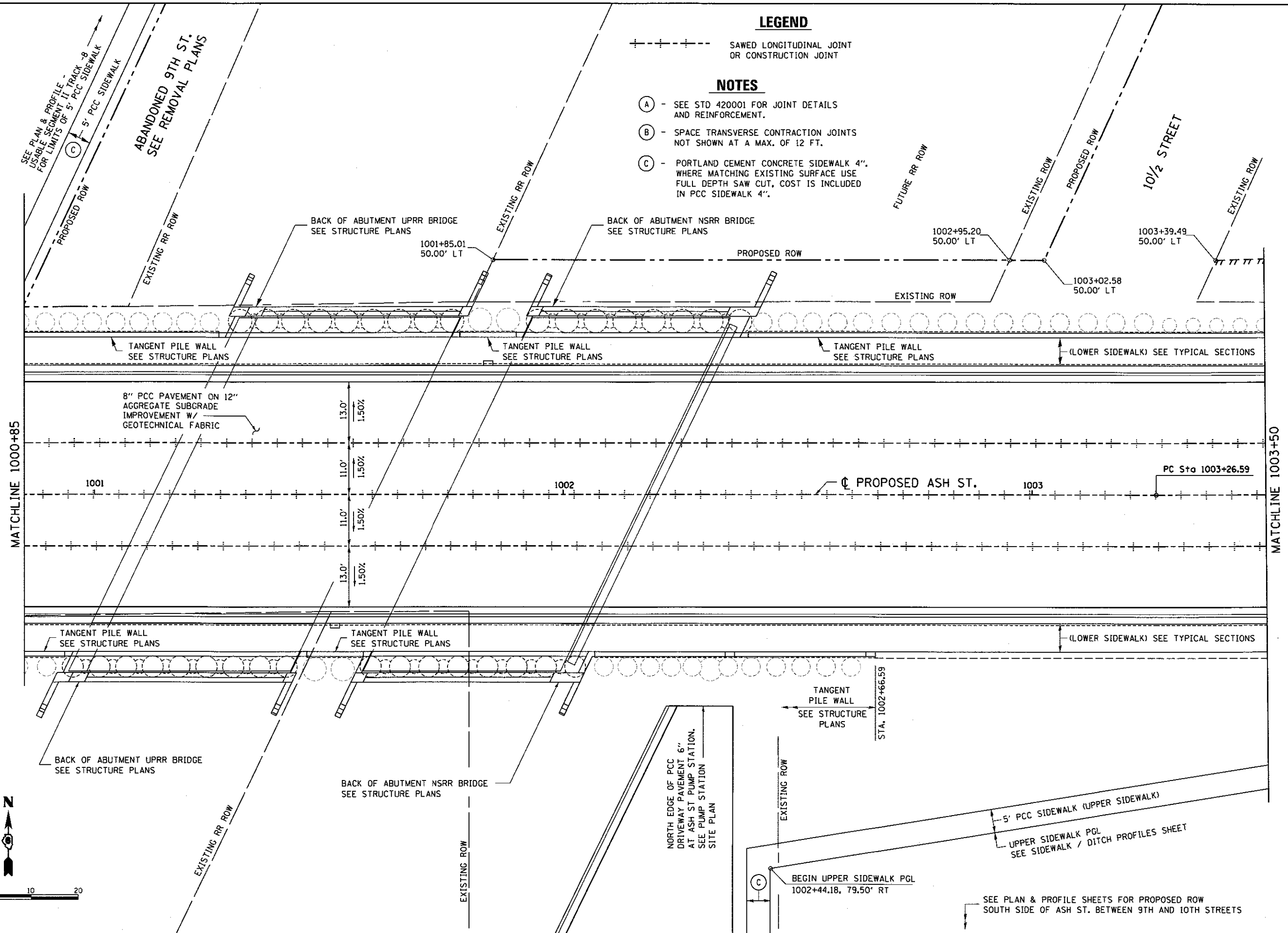
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LEGEND

--- SAWED LONGITUDINAL JOINT
OR CONSTRUCTION JOINT

NOTES

- (A) - SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) - SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) - PORTLAND CEMENT CONCRETE SIDEWALK 4". WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT, COST IS INCLUDED IN PCC SIDEWALK 4".



FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/17/2015

FILE NAME =	USER NAME = pop0275	DESIGNED - JWM	REVISED -
D609L01798-ash-enlarged-plan-ASH10-01.dgn		DRAWN - CLG	REVISED -
PLANS	PLOT SCALE = 28.0000' / in.	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN DETAIL - ASH STREET- 3**

SCALE: 1"=10' SHEET 3 OF 4 SHEETS STA. 1000+85 TO STA. 1003+50

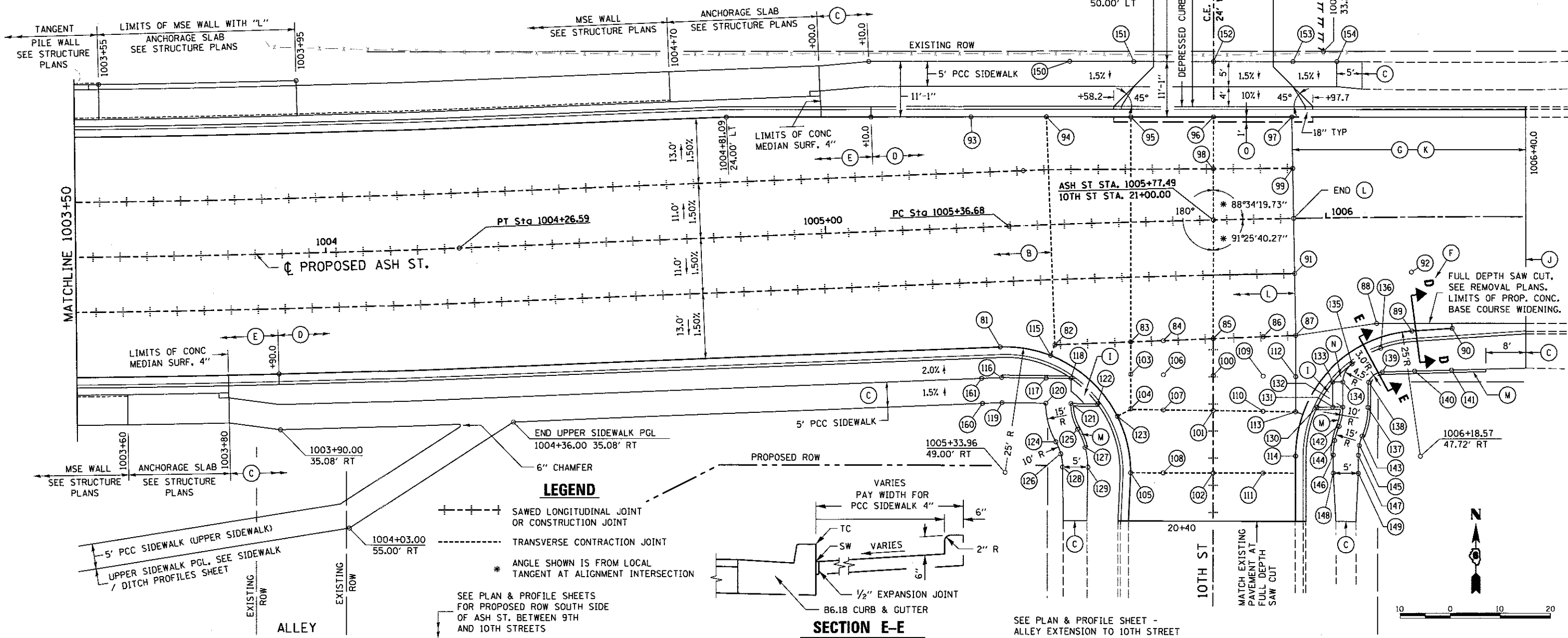
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	116
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

POINT #	STATION	OFFSET	ELEV	POINT #	STATION	OFFSET	ELEV	POINT #	STATION	OFFSET	ELEV		
81	1005+33.96	24.00 RT	597.84	107	20+62.11	10.00 LT	597.85	133	BCR	1006+00.94	32.75 RT	597.77	
82	1005+45.00	23.99 RT	597.93	108	20+49.59	10.00 LT	597.64	134	TC	1006+03.00	32.79 RT	597.92	
83	1005+60.23	23.89 RT	598.06	109	20+68.86	10.00 RT	597.93	134	TC	1006+03.00	32.79 RT	598.42	
84	1005+66.79	23.83 RT	598.10	110	20+61.86	10.00 RT	597.83	135	SW	1006+04.89	29.18 RT	597.95	
85	1005+76.89	23.69 RT	598.15	111	20+49.59	10.00 RT	597.82	135	TC	1006+04.89	29.18 RT	598.23	
86	1005+86.99	23.51 RT	598.08	112	20+68.79	16.50 RT	597.85	136	SW	1006+10.73	26.14 RT	598.20	
87	1005+93.56	23.38 RT	598.02	113	20+61.79	16.50 RT	597.75	136	TC	1006+10.73	26.14 RT	598.20	
88	1006+09.97	21.17 RT	597.83	114	20+52.98	16.50 RT	597.49	137	TC	1006+08.00	37.86 RT	598.00	
89	1006+17.07	22.76 RT	597.74	115	1005+44.08	26.09 RT	597.89	138	TC	1006+08.23	32.86 RT	598.00	
90	1006+25.16	22.28 RT	597.66	116	1005+34.03	30.08 RT	598.29	139	TC	1006+11.04	30.85 RT	598.16	
91	1005+93.56	11.00 RT	598.33	117	1005+43.00	30.55 RT	597.89	140	TC	1006+17.54	30.74 RT	598.25	
92	1006+17.07	11.00 RT	598.27	118	BCR	1005+48.05	30.79 RT	597.82	141	TC	1006+25.68	30.57 RT	598.15
93	1005+30.00	22.12 LT	597.81	119	1005+33.90	35.08 RT	598.33	142	TC	20+58.91	25.24 RT	598.10	
94	1005+45.00	21.56 LT	597.88	120	1005+42.74	35.54 RT	597.94	143	TC	20+57.00	29.86 RT	598.17	
95	1005+61.63	21.00 LT	597.89	121	1005+47.80	35.79 RT	597.86	144	TC	20+56.10	24.39 RT	598.10	
96	1005+78.00	20.57 LT	597.83	122	BCR	1005+53.13	36.04 RT	597.77	145	TC	20+55.13	29.30 RT	598.17
97	1005+93.56	20.25 LT	597.71	123	20+60.84	19.17 LT	597.73	146	TC	20+53.18	24.10 RT	598.01	
98	1005+77.74	10.22 LT	598.14	124	20+55.89	31.35 LT	598.17	147	TC	20+53.18	29.10 RT	598.08	
99	1005+93.56	10.00 LT	598.19	125	20+58.19	27.02 LT	598.10	148	TC	20+49.59	24.10 RT	597.91	
100	20+68.99	0.00 CL	598.04	126	20+53.65	30.52 LT	598.17	149	TC	20+49.59	29.10 RT	597.98	
101	20+61.98	0.00 CL	597.94	127	20+54.57	25.51 LT	598.10	150	TC	1005+50.00	32.47 LT	598.85	
102	20+49.59	0.00 CL	597.79	128	20+50.68	30.00 LT	598.06	151	TC	1005+62.54	32.07 LT	598.39	
103	20+69.18	16.50 LT	597.90	129	20+50.68	25.00 LT	597.99	152	TC	1005+78.27	31.65 LT	598.33	
104	20+62.18	16.50 LT	597.80	130	BCR	1005+97.61	37.70 RT	597.72	153	TC	1005+93.98	31.33 LT	598.20
105	20+49.59	16.50 LT	597.38	131	1006+00.86	37.75 RT	597.77	154	TC	1006+02.72	31.20 LT	598.47	
106	20+69.11	10.00 LT	597.95	132	1006+02.93	37.79 RT	597.92	160	TC	1005+30.00	35.08 RT	598.34	
								161	TC	1005+30.00	30.08 RT	598.27	

BCR - INDICATES BACK OF DEPRESSED CURB AT SIDEWALK RAMP.
 TC - INDICATES TOP CURB ELEVATION, SEE SECTION E-E
 SW - INDICATES SIDEWALK ELEVATION, SEE SECTION E-E

- NOTES**
- (A) - SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
 - (B) - SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
 - (C) - PORTLAND CEMENT CONCRETE SIDEWALK 4". WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC SIDEWALK 4".
 - (D) - LIMITS OF COMBINATION CC&G TY B-6.18
 - (E) - LIMITS OF COMBINATION CC&G TY B-9.18 INCLUDES 10' TAPER FROM 9" CURB TO 6" CURB.
 - (F) - SEE SHEET 1 OF ENLARGED PLAN DETAILS FOR SECTION D-D.
 - (G) - VARIABLE DEPTH MILLING IS PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2".
 - (H) - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH.
 - (I) - SEE PERPENDICULAR CURB RAMPS FOR SIDEWALKS STD 424001 (INCLUDES DETECTABLE WARNING DETAILS).
 - (J) - HMA SURFACE COURSE SHALL MATCH EXISTING SURFACE AT THE 1/2" DEEP SURFACE REMOVAL SAW CUT. THE COST OF SAW CUTTING INCLUDED IN UNIT PRICE FOR SURFACE REMOVAL.

- NOTES**
- (K) - HOT-MIX ASPHALT SURFACE COURSE MIX "D", NSO.
 - (L) - 8" PCC PAVEMENT ON 12" AGGREGATE SUBGRADE IMPROVEMENT W/ GEOTECHNICAL FABRIC.
 - (M) - 6" PCC SIDE CURB, COST INCLUDED WITH PCC SIDEWALK 4".
 - (N) - 6" PCC VARIABLE WIDTH SIDE CURB, COST INCLUDED WITH PCC SIDEWALK 4".
 - (O) - BITUMINOUS WEDGE FOR TRANSITIONING DEPRESSED C&G TO EXISTING ASH STREET PAVEMENT. COST INCLUDED WITH PCC DRIVEWAY PAVEMENT, 8 INCH. SEE STAGING PLANS.



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FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/11/2016

FILE NAME = 068%L81798-ash-enlarged-plan-ASH10-01.dgn	USER NAME = pop02275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS ENLARGED PLAN DETAIL - ASH STREET-4	F.A.U. RTE. =	SECTION = 14-00477-00-BR	COUNTY = SANGAMON	TOTAL SHEETS = 403	SHEET NO. = 117		
PLM44	PLOT SCALE = 28,8000 1/4 in.	DRAWN - CLG	REVISED -			SCALE: 1"=10'	SHEET 4 OF 4 SHEETS	STA. 1003+50 TO STA. 1006+40	CONTRACT NO. = 93704	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -									
		DATE -	REVISED -									



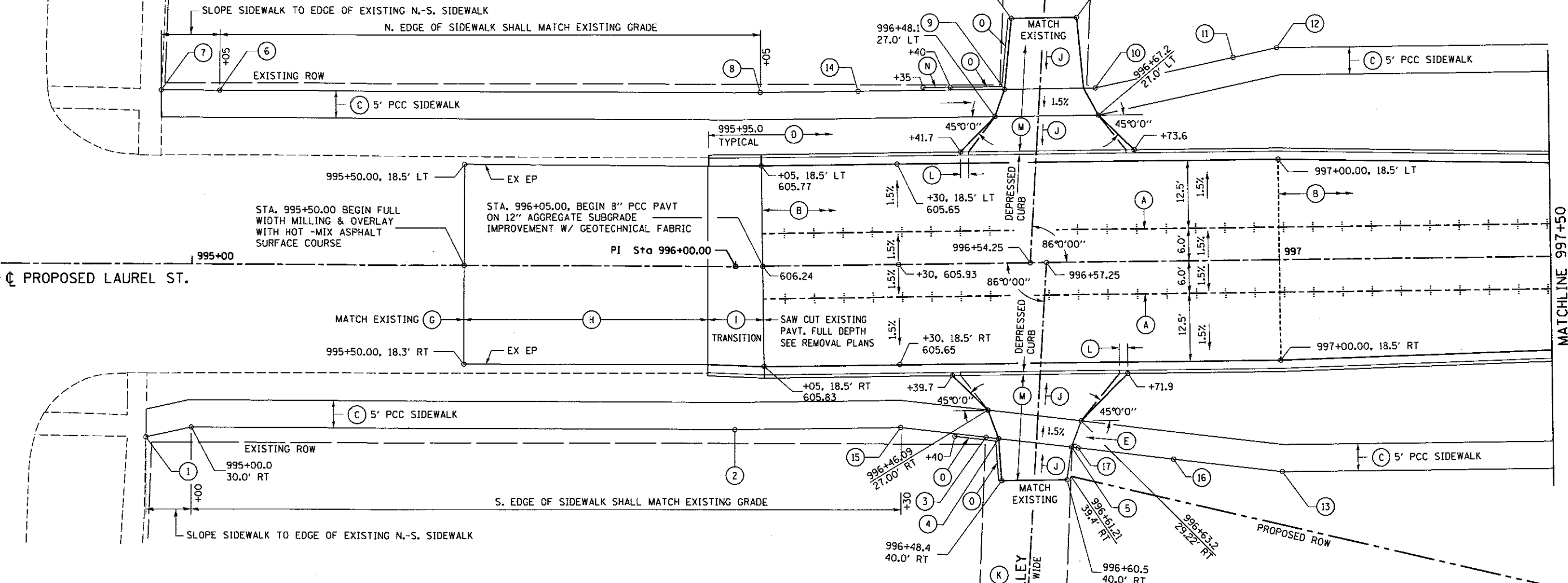
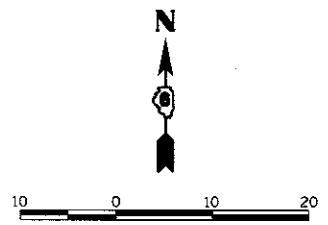
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POINT #	STATION	OFFSET	ELEVATION
1	994+91.6	31.8' RT	*
2	996+00.0	30.0' RT	*
3	996+45.5	32.0' RT	605.96
4	996+48.0	32.3' RT	605.92
5	996+61.4	34.0' RT	605.71
6	995+05.0	32.0' RT	*
7	994+94.2	32.0' LT	*
8	996+05.0	32.0' LT	*
9	996+50.0	32.0' LT	605.73
10	996+66.7	32.0' LT	605.27
11	996+92.0	37.3' LT	606.40
12	997+00.0	39.0' LT	606.40
13	997+00.0	39.0' RT	606.40
14	996+23.0	32.0' RT	606.90
15	996+30.0	30.0' RT	606.60
16	996+80.0	36.4' RT	606.40
17	996+62.6	34.2' RT	605.69

* = MATCH EXISTING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE 1 1/2"
PG:	PG 64-22
DESIGN AIR VOIDS	4% @ N=50
MIX. COMPOSITION (MIX. GRADATION)	IL-9.5
FRICITION AGGREGATE	MIX. D
RAP	10% MAX

8TH STREET



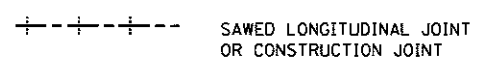
NOTES

- (A) SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) PORTLAND CEMENT CONCRETE SIDEWALK 4" WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC SIDEWALK 4"
- (D) LIMITS OF COMBINATION CC&G TY B-6.18
- (E) SEE ENTRANCE/ALLEY PEDESTRIAN CROSSINGS STD 424026 (INCLUDES DETECTABLE WARNING DETAILS)

- (F) NOT USED
- (G) HMA SURFACE COURSE SHALL MATCH EXISTING SURFACE AT THE 1/2" DEEP SURFACE REMOVAL SAW CUT. THE COST OF SAW CUTTING INCLUDED IN UNIT PRICE FOR SURFACE REMOVAL
- (H) UNIFORM DEPTH MILLING HOT-MIX ASPHALT REMOVAL, 1 1/2" & HOT-MIX ASPHALT OVERLAY 1 1/2"
- (I) VARIABLE MILL & OVERLAY, ADJUST CROSS SLOPE BREAK POINT LOCATIONS TO MATCH NEW PAVEMENT AT 996+05
- (J) SEE ROADWAY CROSS SECTIONS

- (K) SEE ENTRANCE SCHEDULE
- (L) CURB HEIGHT TRANSITION 18" (TYPICAL)
- (M) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC DRIVEWAY PAVEMENT, 8 INCH.
- (N) TRANSITION SIDEWALK CURB FROM 4" TO 9"
- (O) 9" SIDEWALK & DRIVEWAY CURB. COST IS INCLUDED IN SIDEWALK OR DRIVEWAY PAVEMENT

LEGEND



FINAL
DESIGNED - JWM 7/29/2015
DRAWN - CLG 7/29/2015
REVIEWED - MNM 10/11/2016

FILE NAME =	USER NAME = pop00275	DESIGNED - JWM	REVISED -
D689L0179B-uhf-enlarged-pin-LAU18-01.dgn		DRAWN - CLG	REVISED -
PLOT SCALE = 28.0000' / in.		CHECKED - JWM/MNM	REVISED -
PLOT DATE = 2/24/2017		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN DETAIL - LAUREL STREET - 1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	118
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

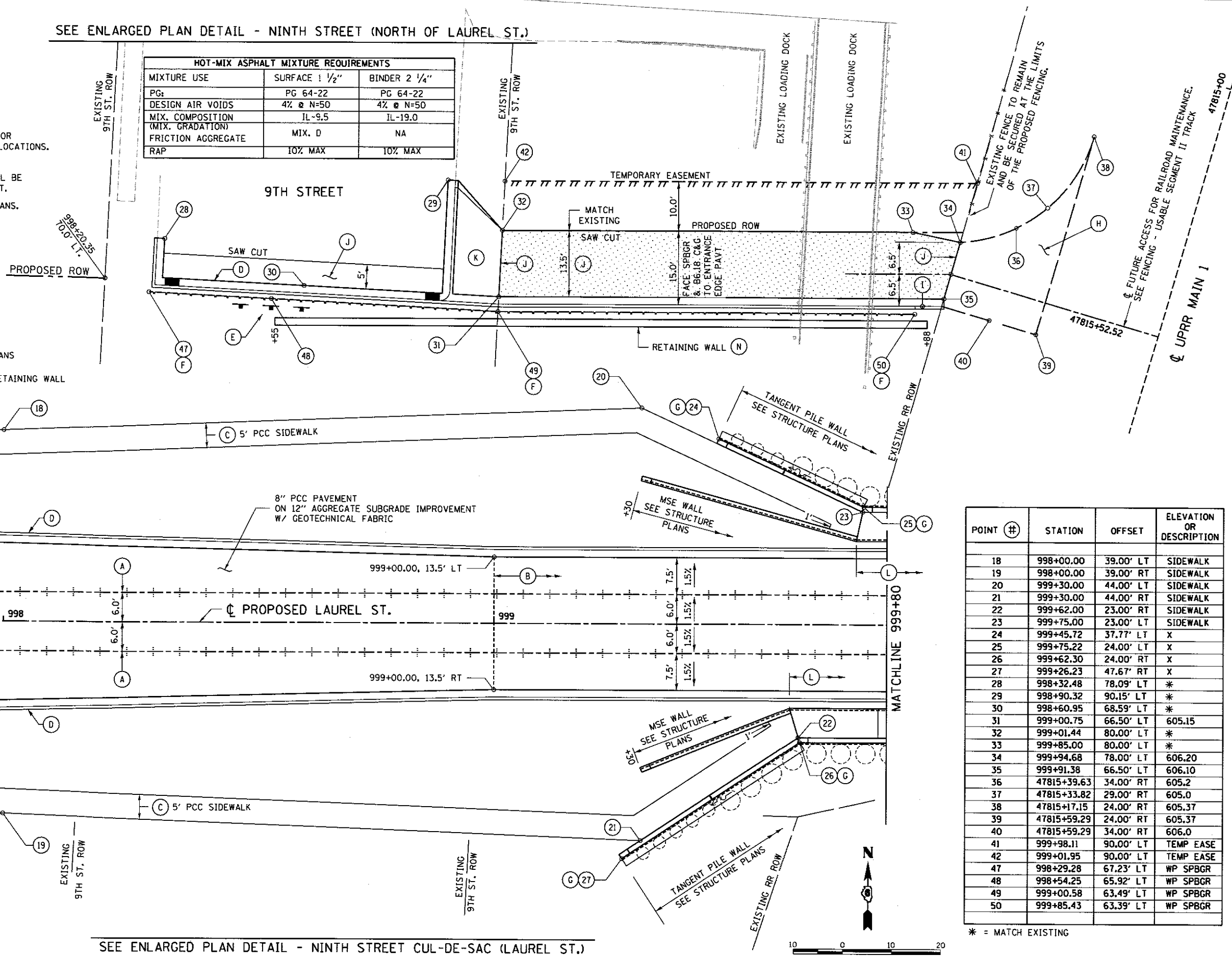
SCALE: 1"=10' SHEET 1 OF 4 SHEETS STA. 995+50 TO STA. 997+50

NOTES

- (A) SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) PORTLAND CEMENT CONCRETE SIDEWALK 4"
- (D) COMBINATION CC&G TY B-6.18.
- (E) SEE ROADWAY DETAILS ASH & LAUREL STREETS -1 FOR PLACEMENT OF TRAFFIC CONTROL AT ROAD CLOSED LOCATIONS.
- (F) SPBGR TYPE A W/ END SECTIONS PER SPBGR STD, CALLOUTS TO C POST LAYOUT. SPBGR LOCATION WILL BE VERIFIED WITH FIELD ENGINEER PRIOR TO PLACEMENT.
- (G) WORKING POINT TYPE B GUTTER, SEE STRUCTURE PLANS.
- (H) SUBBALLAST GRADING
- (I) BEGIN DEPRESSED CURB STA. 999+87 PROCEEDED BY 18" CURB TRANSITION
- (J) LIMITS OF AGGREGATE BASE COURSE TYPE A 8" WITH 2 1/4" HOT MIX ASPHALT BINDER COURSE AND 1 1/2" HOT MIX ASPHALT SURFACE COURSE. MATCH EXISTING ADJACENT SURFACES AT ALL SAW CUT EDGES, AS SHOWN ON REMOVAL PLANS.
- (K) SEE ENTRANCE SCHEDULE
- (L) C.I.P ANCHORAGE SLAB, 6' WIDE, SEE STRUCTURE PLANS
- (N) SEE LAUREL STREET RETAINING WALL PLANS - N. RETAINING WALL STA. 998+55 TO STA. 999+88

SEE ENLARGED PLAN DETAIL - NINTH STREET (NORTH OF LAUREL ST.)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USE	SURFACE 1 1/2"	BINDER 2 1/4"
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N=50	4% @ N=50
MIX. COMPOSITION (MIX. GRADATION)	IL-9.5	IL-19.0
FRICTION AGGREGATE	MIX. D	NA
RAP	10% MAX	10% MAX

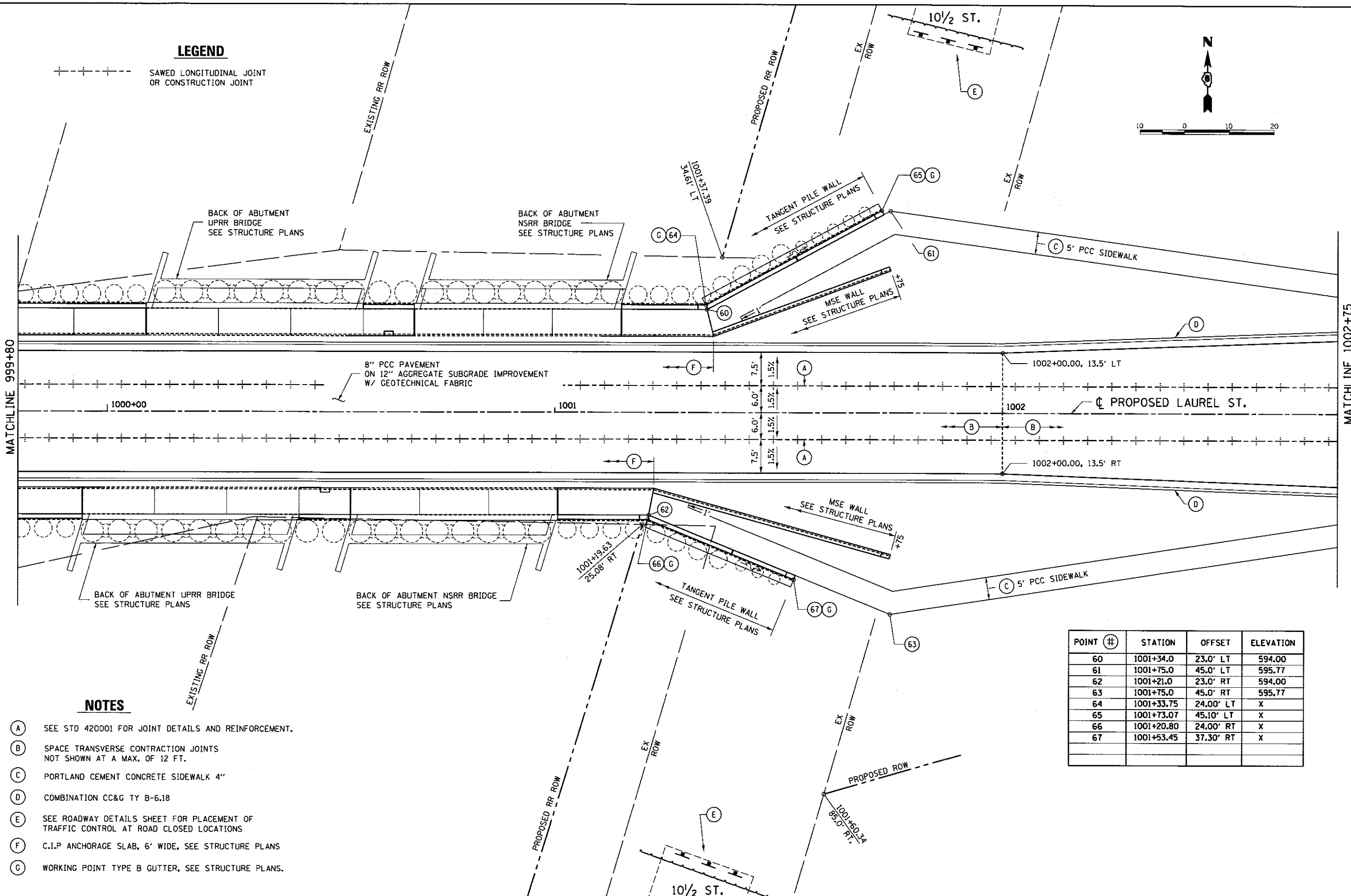
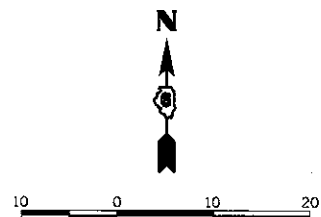




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LEGEND

--- SAWED LONGITUDINAL JOINT OR CONSTRUCTION JOINT



NOTES

- (A) SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) PORTLAND CEMENT CONCRETE SIDEWALK 4"
- (D) COMBINATION CC&G TY B-6.18
- (E) SEE ROADWAY DETAILS SHEET FOR PLACEMENT OF TRAFFIC CONTROL AT ROAD CLOSED LOCATIONS
- (F) C.I.P ANCHORAGE SLAB, 6' WIDE. SEE STRUCTURE PLANS
- (G) WORKING POINT TYPE B GUTTER, SEE STRUCTURE PLANS.

POINT #	STATION	OFFSET	ELEVATION
60	1001+34.0	23.0' LT	594.00
61	1001+75.0	45.0' LT	595.77
62	1001+21.0	23.0' RT	594.00
63	1001+75.0	45.0' RT	595.77
64	1001+33.75	24.00' LT	X
65	1001+73.07	45.10' LT	X
66	1001+20.80	24.00' RT	X
67	1001+53.45	37.30' RT	X

FINAL
DESIGNED JWM 7/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 10/11/2016

FILE NAME = 0609L0179B-ahf-enlarged-pin-LAU0-01.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED - JWM/MNM	REVISOR -	REVISOR -
PLOT DATE = 2/24/2017	DATE -	REVISOR -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN DETAIL - LAUREL STREET-3**

SCALE: 1"=10' SHEET 3 OF 4 SHEETS STA. 999+80 TO STA. 1002+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	120
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

NOTES

- (A) SEE STD 420001 FOR JOINT DETAILS AND REINFORCEMENT.
- (B) SPACE TRANSVERSE CONTRACTION JOINTS NOT SHOWN AT A MAX. OF 12 FT.
- (C) PORTLAND CEMENT CONCRETE SIDEWALK 4" WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC SIDEWALK 4"
- (D) LIMITS OF COMBINATION CC&G TY B-6.18
- (E) SEE ENTRANCE/ALLEY PEDESTRIAN CROSSINGS STD 424026 (INCLUDES DETECTABLE WARNING DETAILS)

- (F) NOT USED
- (G) HMA SURFACE COURSE SHALL MATCH EXISTING SURFACE AT THE 1/2" DEEP SURFACE REMOVAL SAW CUT. THE COST OF SAW CUTTING INCLUDED IN UNIT PRICE FOR SURFACE REMOVAL
- (H) UNIFORM DEPTH MILLING HOT-MIX ASPHALT REMOVAL, 1 1/2" & HOT-MIX ASPHALT OVERLAY 1 1/2" MIN.
- (I) MILLING OMISSION
- (J) SEE ROADWAY CROSS SECTIONS

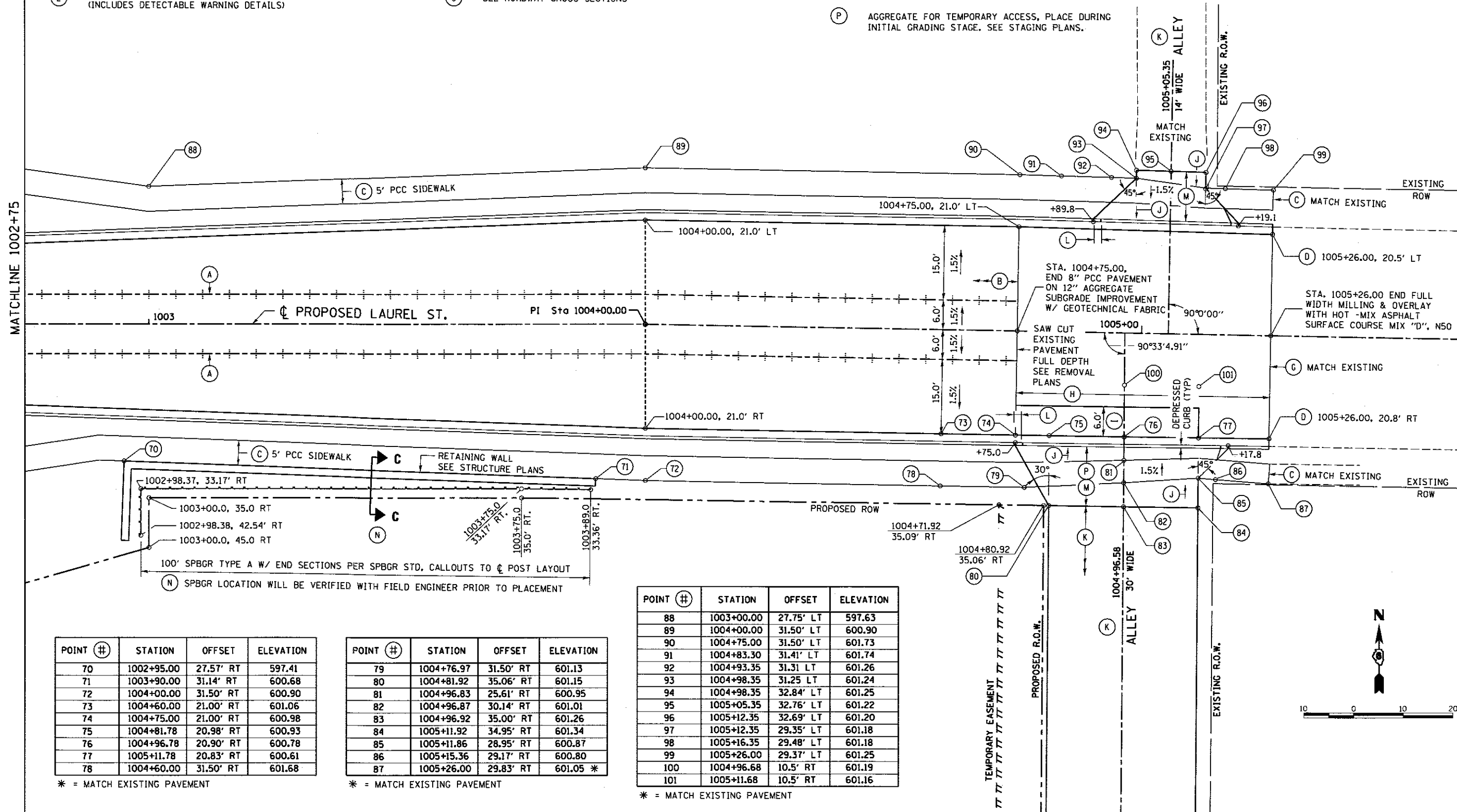
- (K) SEE ENTRANCE SCHEDULE & DETAILS
- (L) CURB HEIGHT TRANSITION 18" (TYPICAL)
- (M) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH WHERE MATCHING EXISTING SURFACE USE FULL DEPTH SAW CUT. COST IS INCLUDED IN PCC DRIVEWAY PAVEMENT, 8 INCH.
- (N) SEE LAUREL STREET RETAINING WALL PLANS - S. RETAINING WALL STA. 1002+94.40 TO STA. 1003+90
- (P) AGGREGATE FOR TEMPORARY ACCESS, PLACE DURING INITIAL GRADING STAGE. SEE STAGING PLANS.

LEGEND

---+---+---+--- SAWED LONGITUDINAL JOINT OR CONSTRUCTION JOINT



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POINT #	STATION	OFFSET	ELEVATION
70	1002+95.00	27.57' RT	597.41
71	1003+90.00	31.14' RT	600.68
72	1004+00.00	31.50' RT	600.90
73	1004+60.00	21.00' RT	601.06
74	1004+75.00	21.00' RT	600.98
75	1004+81.78	20.98' RT	600.93
76	1004+96.78	20.90' RT	600.78
77	1005+11.78	20.83' RT	600.61
78	1004+60.00	31.50' RT	601.68

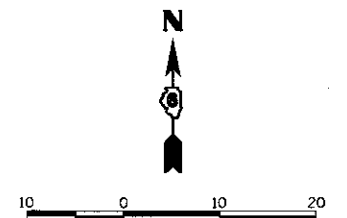
* = MATCH EXISTING PAVEMENT

POINT #	STATION	OFFSET	ELEVATION
79	1004+76.97	31.50' RT	601.13
80	1004+81.92	35.06' RT	601.15
81	1004+96.83	25.61' RT	600.95
82	1004+96.87	30.14' RT	601.01
83	1004+96.92	35.00' RT	601.26
84	1005+11.92	34.95' RT	601.34
85	1005+11.86	28.95' RT	600.87
86	1005+15.36	29.17' RT	600.80
87	1005+26.00	29.83' RT	601.05 *

* = MATCH EXISTING PAVEMENT

POINT #	STATION	OFFSET	ELEVATION
88	1003+00.00	27.75' LT	597.63
89	1004+00.00	31.50' LT	600.90
90	1004+75.00	31.50' LT	601.73
91	1004+83.30	31.41' LT	601.74
92	1004+93.35	31.31' LT	601.26
93	1004+98.35	31.25' LT	601.24
94	1004+98.35	32.84' LT	601.25
95	1005+05.35	32.76' LT	601.22
96	1005+12.35	32.69' LT	601.20
97	1005+12.35	29.35' LT	601.18
98	1005+16.35	29.48' LT	601.18
99	1005+26.00	29.37' LT	601.25
100	1004+96.68	10.5' RT	601.19
101	1005+11.68	10.5' RT	601.16

* = MATCH EXISTING PAVEMENT



FINAL
DESIGNED - JWM 7/20/2015
DRAWN - CLG 7/20/2015
REVIEWED - MNM 10/17/2018

FILE NAME = D609L01798-ahf-anlarged-pin-LAU0-01.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -
PLOT SCALE = 28.0000' / 1"	CHECKED - JWM/MNM	DRAWN - CLG	REVISED -
PLOT DATE = 2/24/2017	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

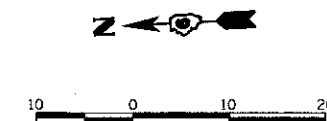
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN DETAIL - LAUREL STREET- 4

SCALE: 1"=10' SHEET 4 OF 4 SHEETS STA. 1002+75 TO STA. 1005+26

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	121
	09L01798			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

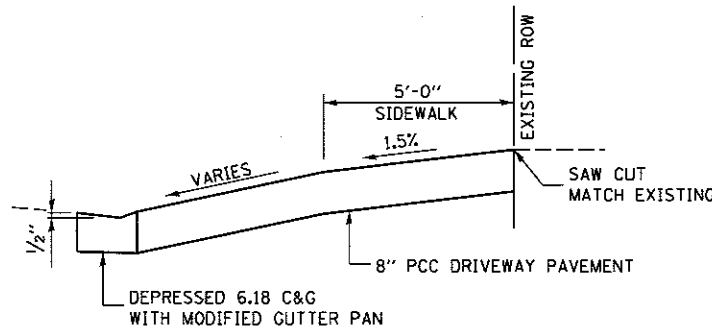
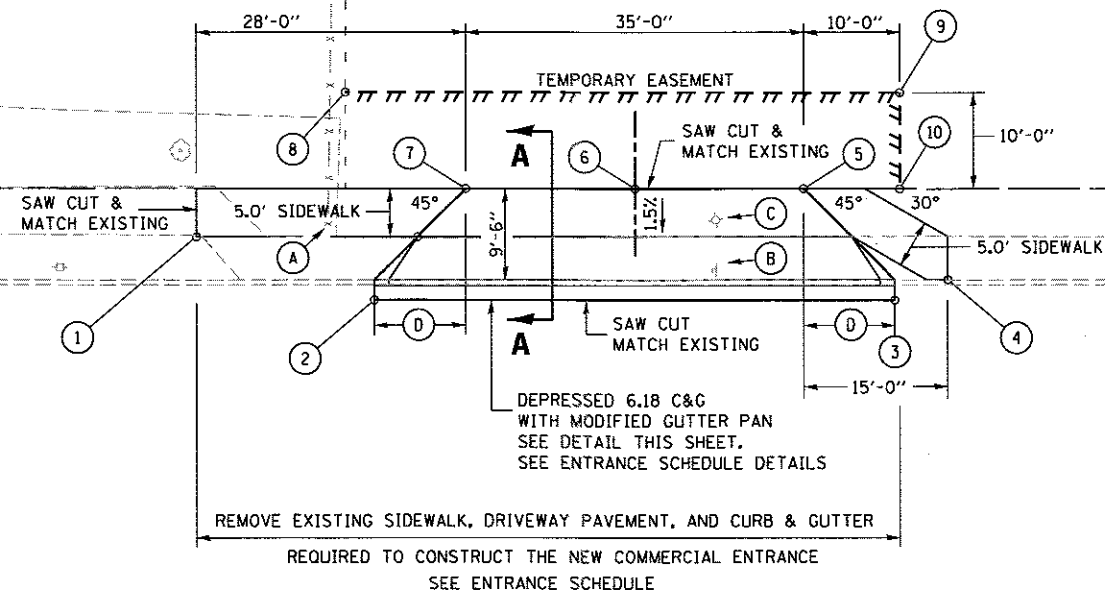
NOTES

- (A) REMOVE FENCE SECTION THAT EXTENDS ONTO EXISTING ROW.
- (B) REMOVE SIGN PANEL ASSEMBLY.
- (C) REMOVE AND DISPOSE OF PRIVATE LIGHT ASSEMBLY ON EXISTING ROW.
- (D) TRANSITION GUTTER FLOW LINE



POINT #	NORTHING	EASTING	DESCRIPTION
1	1135717.41	2443491.30	SIDEWALK *
2	1135699.01	2443484.46	GUTTER / E.P. *
3	1135645.02	2443483.72	GUTTER / E.P. *
4	1135639.48	2443485.73	SIDEWALK *
5	1135654.35	2443495.44	DRIVEWAY *
6	1135671.85	2443495.67	DRIVEWAY *
7	1135689.35	2443495.91	DRIVEWAY *
8	1135701.71	2443506.12	TEMP EASEMENT
9	1135644.22	2443505.27	TEMP EASEMENT
10	1135644.35	2443495.27	TEMP EASEMENT

* = MATCH EXISTING



SECTION A-A



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FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MAM 10/17/2016

FILE NAME =	USER NAME = pop0275	DESIGNED - JWM	REVISED -
D609L0179B-shr-enlarged-plan-LAU08-01.dgn		DRAWN - CLG	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED - JWM/MAM	REVISED -
PLANS	PLOT DATE = 2/24/2017	DATE -	REVISED -

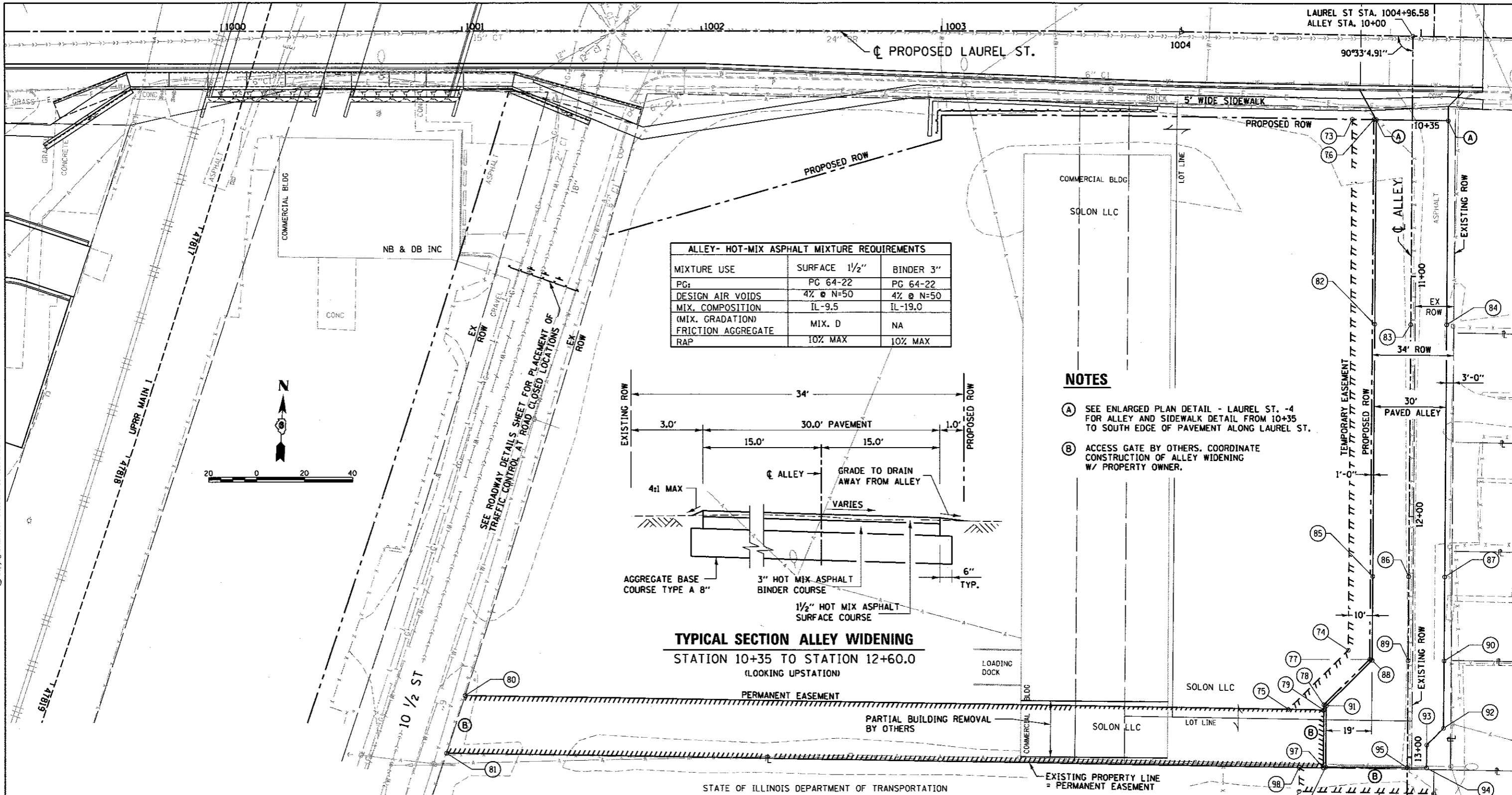
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 ENLARGED PLAN DETAIL - NINTH STREET (NORTH OF LAUREL ST.)
 SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. NA TO STA. NA

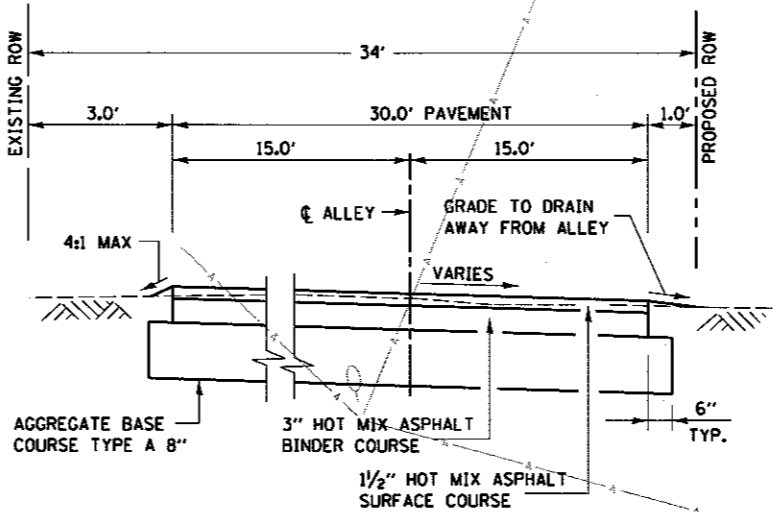
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	122
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



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ALLEY- HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USE	SURFACE 1 1/2"	BINDER 3"
PG:	PG 64-22	PG 64-22
DESIGN AIR Voids	4% @ N=50	4% @ N=50
MIX. COMPOSITION (MIX. GRADATION)	IL-9.5	IL-19.0
FRICITION AGGREGATE	MIX. D	NA
RAP	10% MAX	10% MAX



TYPICAL SECTION ALLEY WIDENING
STATION 10+35 TO STATION 12+60.0
(LOOKING UPSTATION)

NOTES

- (A) SEE ENLARGED PLAN DETAIL - LAUREL ST. -4 FOR ALLEY AND SIDEWALK DETAIL FROM 10+35 TO SOUTH EDGE OF PAVEMENT ALONG LAUREL ST.
- (B) ACCESS GATE BY OTHERS. COORDINATE CONSTRUCTION OF ALLEY WIDENING W/ PROPERTY OWNER.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

POINT #	STATION	OFFSET	ELEVATION OR DESCRIPTION
73	10+34.86	25.00' RT	TEMP EASE
74	12+55.86	25.00' RT	TEMP EASE
75	12+80.68	49.82' RT	TEMP EASE

POINT #	STATION	OFFSET	ELEVATION OR DESCRIPTION
76	10+34.91	16.00' RT	PROP ROW
77	12+59.59	16.00' RT	PROP ROW
78	12+78.59	35.00' RT	PROP ROW
79	12+80.80	35.00' RT	PROP ROW
80	12+77.81	393.23' RT	PERM EASE
81	13+01.75	400.84' RT	PERM EASE
82	11+20.00	15.00' RT	601.40
83	11+20.00	0.00	601.55

POINT #	STATION	OFFSET	ELEVATION OR DESCRIPTION
84	11+20.00	15.00' LT	601.70
85	12+25.00	15.00' RT	600.90
86	12+25.00	0.00	601.05
87	12+25.00	15.00' LT	601.20
88	12+60.00	15.00' RT	601.10
89	12+60.00	0.00	601.25
90	12+60.00	15.00' LT	601.40
91	12+79.00	34.00' RT	600.85
92	12+88.00	15.00' LT	601.40

POINT #	STATION	OFFSET	ELEVATION OR DESCRIPTION
93	12+95.00	8.00' LT	601.30
94	13+04.50	8.00' LT	601.20
95	13+04.50	0.0	601.12
96	13+04.50	34.00' RT	600.80
97	13+04.80	35.00' RT	PROP ROW
98	13+04.72	45.00' RT	TEMP EASE
99	13+14.72	45.00' RT	TEMP EASE
100	13+15.19	11.11' LT	TEMP EASE

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG 7/20/2015
REVIEWED: MMN 10/17/2015

FILE NAME = D:\09L0179B-shr-plan-LAUI8-ALLEY-01.dgn	USER NAME = pop08275	DESIGNED - JWM	REVISED -
PLOT SCALE = 48.0000' / 1"	PLOT DATE = 2/24/2017	DRAWN - CLG	REVISED -
		CHECKED - JWM/MMN	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

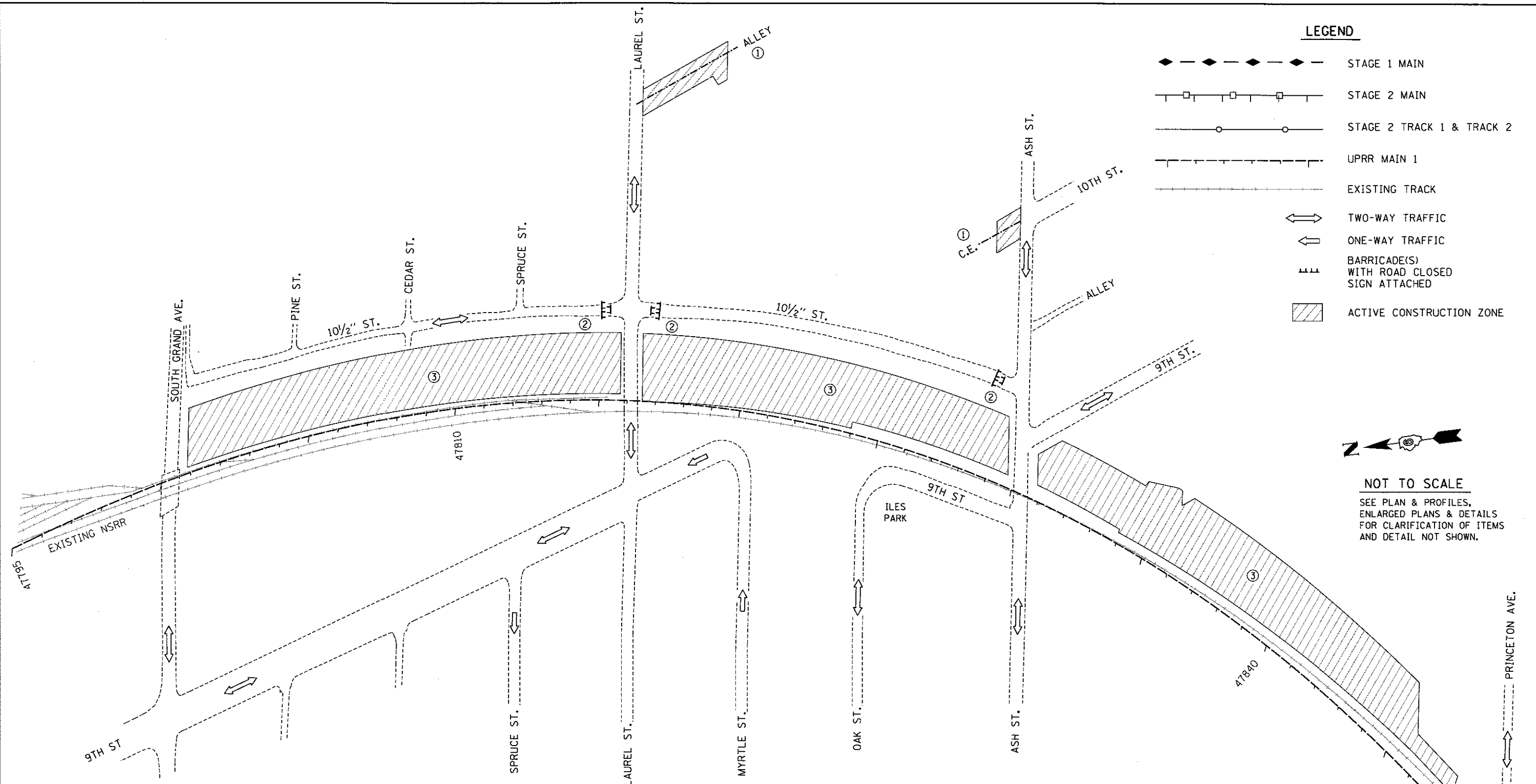
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LAUREL STREET PLAN - ALLEY WIDENING

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	124
	09L0179B		CONTRACT NO.	93704
			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

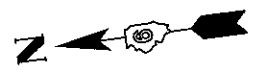


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LEGEND

- ◆ - - - - - STAGE 1 MAIN
- □ — □ — □ — STAGE 2 MAIN
- ○ — ○ — ○ — STAGE 2 TRACK 1 & TRACK 2
- - - - - UPRR MAIN 1
- - - - - EXISTING TRACK
- ↔ TWO-WAY TRAFFIC
- ← ONE-WAY TRAFFIC
- ⚡ BARRICADE(S) WITH ROAD CLOSED SIGN ATTACHED
- ▨ ACTIVE CONSTRUCTION ZONE



NOT TO SCALE
 SEE PLAN & PROFILES, ENLARGED PLANS & DETAILS FOR CLARIFICATION OF ITEMS AND DETAIL NOT SHOWN.

INITIAL GRADING

- ① COMPLETE THE COMMERCIAL ENTRANCE FOR THE STATE OF ILLINOIS MUSEUM FACILITY THAT IS LOCATED OFF ASH STREET EAST OF TRACKS. THE PROPERTY OWNER WILL INSTALL AN AUTOMATED SLIDING GATE AT THIS ENTRANCE. THE CONTRACTOR SHALL COORDINATE ENTRANCE CONSTRUCTION WITH THE PROPERTY OWNER. PLACE BITUMINOUS WEDGE AT COMMERCIAL ENTRANCE TO TRANSITION DEPRESSED C&G TO EXISTING ASH STREET PAVEMENT. ACCESS SHALL BE MAINTAINED TO THIS ENTRANCE THROUGHOUT CONSTRUCTION. COMPLETE THE WIDENING OF THE ALLEY OFF OF LAUREL ST. EAST OF THE TRACKS THAT WILL PROVIDE ACCESS TO PROPERTIES CURRENTLY UTILIZING 10 1/2 STREET. PLACE AGGREGATE FOR TEMPORARY ACCESS AT ALLEY WIDENING ENTRANCE. PCC DRIVEWAY PAVEMENT FOR ALLEY WIDENING TO BE CONSTRUCTED DURING STAGE 2B. ACCESS SHALL BE MAINTAINED TO ALLEY THROUGHOUT CONSTRUCTION.
- ② CLOSE TRAFFIC AND PEDESTRIAN ACCESS TO 10 1/2 STREET AT LAUREL STREET NORTH AND SOUTH. CLOSE TRAFFIC AND PEDESTRIAN ACCESS TO 10 1/2 STREET AT ASH STREET. 10 1/2 STREET TRAFFIC NORTH OF LAUREL STREET CLOSURE WILL BE MAINTAINED. 10 1/2 STREET TRAFFIC NORTH OF LAUREL STREET CLOSURE WILL BE MAINTAINED.
- ③ PROCEED WITH GRADING AND SUB-BALLAST WORK EAST OF EXISTING TRACK. HATCHING INDICATES APPROXIMATE ACTIVE CONSTRUCTION ZONE, BEGINS AT STATION 47800+95 AND ENDS AT STATION 47847+60. GAP GRADING WORK AT LAUREL STREET AND ASH STREET. SEE RAILWAY TYPICAL SECTIONS AND ALL APPROPRIATE PLAN DOCUMENTS FOR CLARIFICATION.

FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MM 10/17/2016

FILE NAME = 0609L0179B-AT8_SHT_US2_01.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS USABLE SEGMENT II STAGING PLAN - TRACK / ROAD - 1		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
sheet4	PLOT SCALE = 350.0000' / 1"	DRAWN - CLG	REVISED -		SCALE:	SHEET 1 OF 6 SHEETS	STA.	14-00477-00-BR	SANGAMON	403	125	
	PLOT DATE = 2/24/2017	CHECKED - JWM/GNC	REVISED -		TO STA.			09L0179B				
		DATE -	REVISED -					CONTRACT NO. 93704		ILLINOIS FED. AID PROJECT		

STAGE 1A - MAINTAIN RAIL TRAFFIC ON EXISTING TRACK

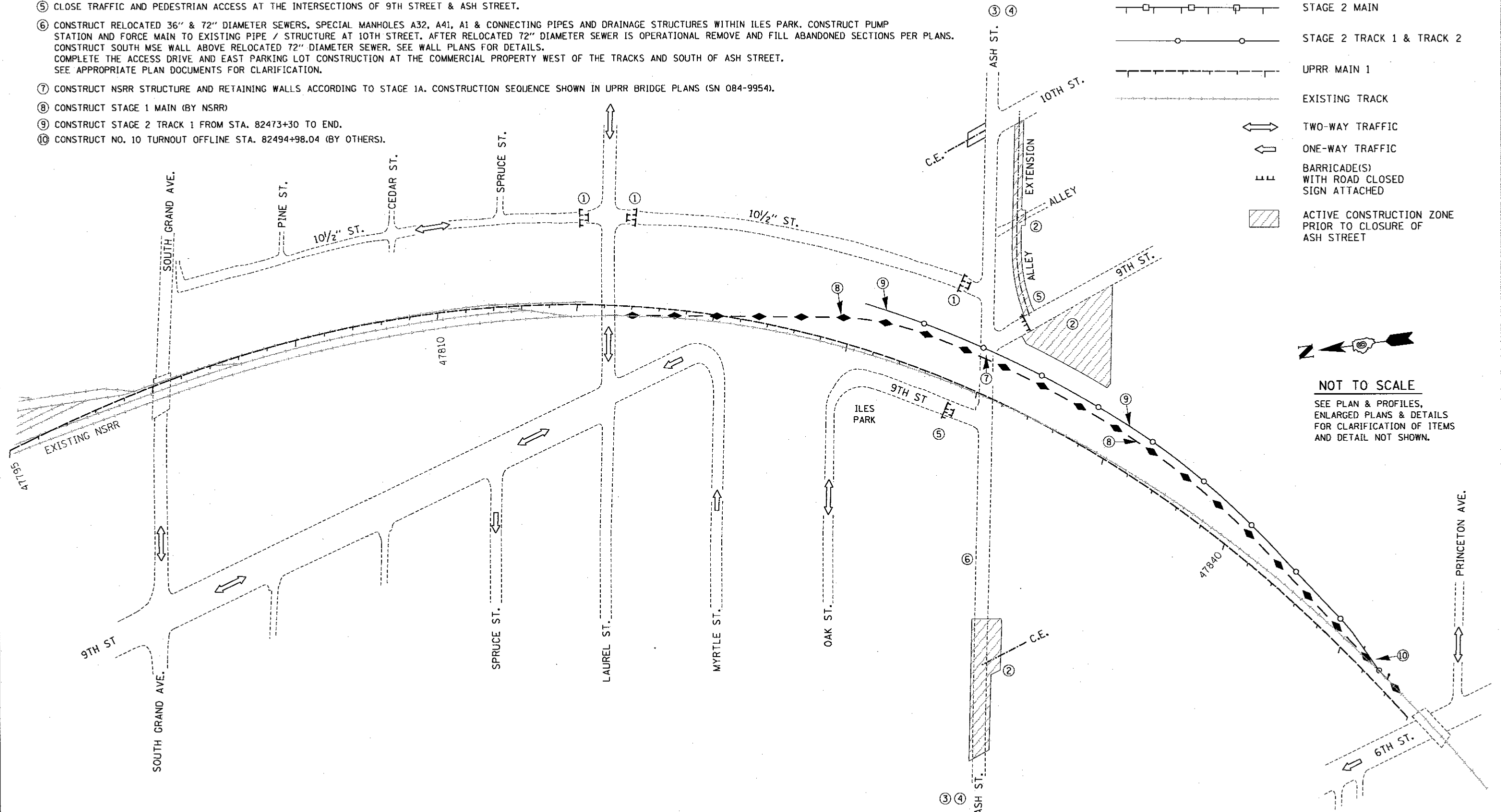
- ① MAINTAIN THE PREVIOUS CLOSURE OF 10 1/2 STREET AT ASH STREET AND LAUREL STREET.
- ② CONSTRUCT THE ASH STREET WIDENING AND RESURFACING WEST OF THE TRACKS & THE RELOCATED COMMERCIAL ENTRANCE. ACCESS TO COMMERCIAL ENTRANCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONSTRUCT 9TH STREET CUL-DE-SAC. COMPLETE THE ALLEY EXTENSION THAT IS LOCATED BETWEEN 9TH AND 10TH STREETS SOUTH OF ASH STREET AND THE ADJACENT 12" FORCE MAIN.
- ③ COMPLETE ASH STREET TRAFFIC DETOUR PLAN, CONSTRUCTION FENCING, TEMPORARY PAVEMENT MARKING.
- ④ COMPLETE ROAD CLOSURE OF ASH ST BETWEEN 6TH STREET AND 10TH STREET.
- ⑤ CLOSE TRAFFIC AND PEDESTRIAN ACCESS AT THE INTERSECTIONS OF 9TH STREET & ASH STREET.
- ⑥ CONSTRUCT RELOCATED 36" & 72" DIAMETER SEWERS, SPECIAL MANHOLES A32, A41, A1 & CONNECTING PIPES AND DRAINAGE STRUCTURES WITHIN ILES PARK. CONSTRUCT PUMP STATION AND FORCE MAIN TO EXISTING PIPE / STRUCTURE AT 10TH STREET. AFTER RELOCATED 72" DIAMETER SEWER IS OPERATIONAL REMOVE AND FILL ABANDONED SECTIONS PER PLANS. CONSTRUCT SOUTH MSE WALL ABOVE RELOCATED 72" DIAMETER SEWER. SEE WALL PLANS FOR DETAILS. COMPLETE THE ACCESS DRIVE AND EAST PARKING LOT CONSTRUCTION AT THE COMMERCIAL PROPERTY WEST OF THE TRACKS AND SOUTH OF ASH STREET. SEE APPROPRIATE PLAN DOCUMENTS FOR CLARIFICATION.
- ⑦ CONSTRUCT NSRR STRUCTURE AND RETAINING WALLS ACCORDING TO STAGE 1A. CONSTRUCTION SEQUENCE SHOWN IN UPRR BRIDGE PLANS (SN 084-9954).
- ⑧ CONSTRUCT STAGE 1 MAIN (BY NSRR)
- ⑨ CONSTRUCT STAGE 2 TRACK 1 FROM STA. 82473+30 TO END.
- ⑩ CONSTRUCT NO. 10 TURNOUT OFFLINE STA. 82494+98.04 (BY OTHERS).

LEGEND

- ◆ - - - - - STAGE 1 MAIN
- □ — □ — □ — STAGE 2 MAIN
- ○ — ○ — ○ — STAGE 2 TRACK 1 & TRACK 2
- - - - - UPRR MAIN 1
- — — — — EXISTING TRACK
- ↔ TWO-WAY TRAFFIC
- ONE-WAY TRAFFIC
- ⊥ BARRICADE(S) WITH ROAD CLOSED SIGN ATTACHED
- ▨ ACTIVE CONSTRUCTION ZONE PRIOR TO CLOSURE OF ASH STREET



NOT TO SCALE
SEE PLAN & PROFILES, ENLARGED PLANS & DETAILS FOR CLARIFICATION OF ITEMS AND DETAIL NOT SHOWN.



FINAL
 DESIGNED - JMW 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/17/2016

FILE NAME = D609L0179B-ATB_SHT_US2_01.dgn	USER NAME = Johns08944	DESIGNED - MNM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS USABLE SEGMENT II STAGING PLAN - TRACK / ROAD - 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 350.0000' / 1" =	CHECKED - JMW/GNC	REVISED -	14-00477-00-BR			SANGAMON	403	126		
PLOT DATE = 5/26/2017	DATE -	REVISED -	09L0179B			CONTRACT NO.	93704			
						ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

STAGE 1B - MAINTAIN RAIL TRAFFIC UTILIZING STAGE 1 MAIN

- ① MAINTAIN ALL PREVIOUS ROAD CLOSURE PROTECTION AND TRAFFIC MAINTENANCE.
- ② SHIFT NO. 10 TURNOUT ONLINE (BY NSRR).
- ③ SHIFT RAIL TRAFFIC TO STAGE 1 MAIN (BY NSRR).
- ④ REMOVE EXISTING RETIRED TRACK (BY NSRR).
- ⑤ CONSTRUCT UPRR STRUCTURE AND RETAINING WALLS ACCORDING TO STAGE 1B CONSTRUCTION SEQUENCE SHOWN IN UPRR BRIDGE PLANS (SN 084-9954).
- ⑥ COMPLETE ASH STREET CONSTRUCTION.

KEYED NOTES:

- Ⓐ TRACK CUTOVER (BY NSRR)

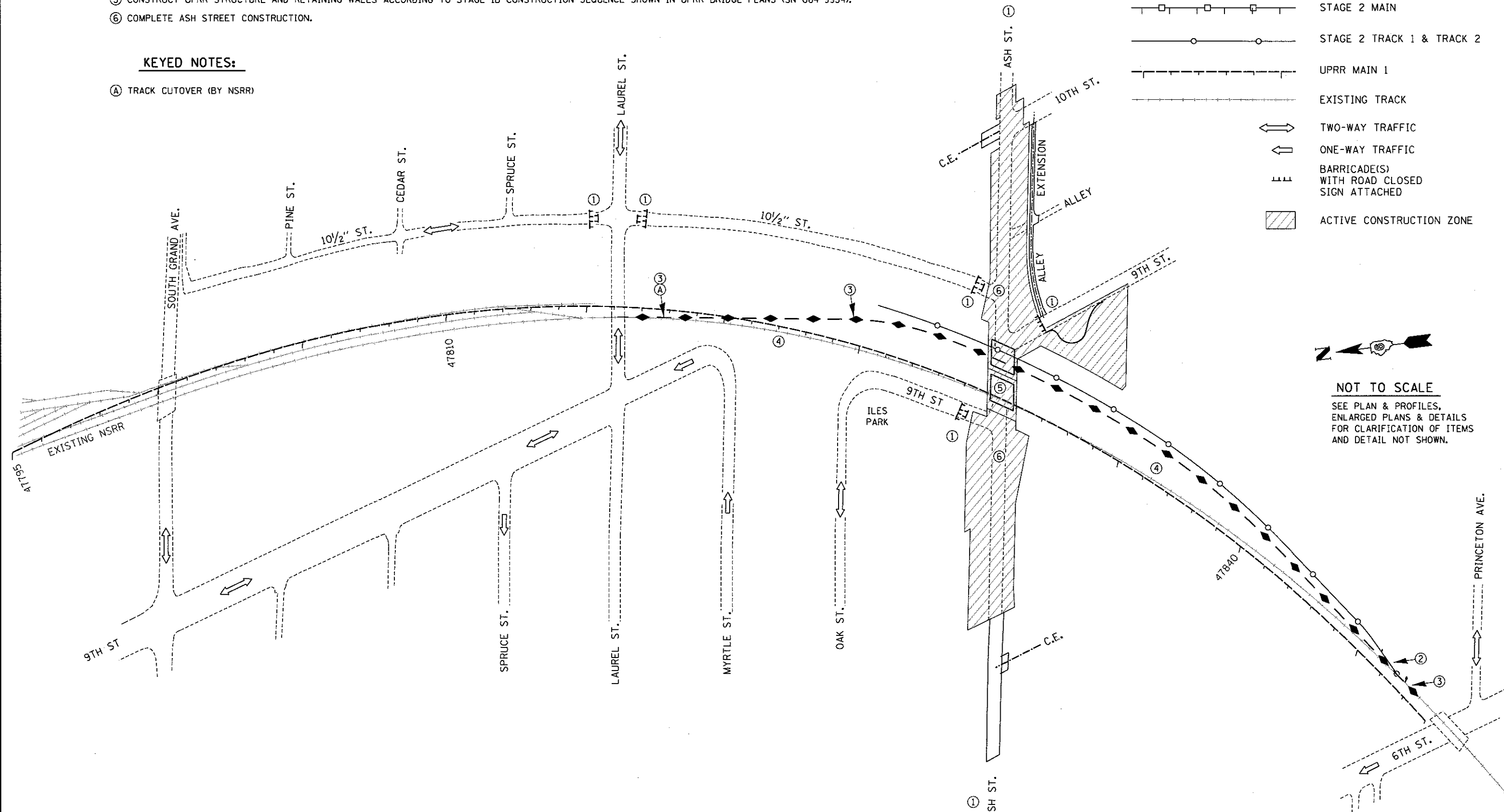
LEGEND

- ◆ - - - - - STAGE 1 MAIN
- - - - - - STAGE 2 MAIN
- - - - - - STAGE 2 TRACK 1 & TRACK 2
- - - - - UPRR MAIN 1
- - - - - EXISTING TRACK
- ↔ TWO-WAY TRAFFIC
- ONE-WAY TRAFFIC
- ⊥ BARRICADE(S) WITH ROAD CLOSED SIGN ATTACHED
- ▨ ACTIVE CONSTRUCTION ZONE



NOT TO SCALE

SEE PLAN & PROFILES, ENLARGED PLANS & DETAILS FOR CLARIFICATION OF ITEMS AND DETAIL NOT SHOWN.



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DESIGNED	JMM	7/20/2015
DRAWN	CLG	7/20/2015
REVIEWED	MJM	10/11/2016

FILE NAME =	USER NAME = pop00275
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PLOT SCALE = 350.0000' / 1"	DESIGNED - MNM
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PLOT DATE = 2/24/2017	DESIGNED - MNM
	DRAWN - CLG
	CHECKED - JWM/GNC
	DATE -
	REVIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
USABLE SEGMENT II STAGING PLAN - TRACK / ROAD - 3**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	127
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

STAGE 2A - MAINTAIN RAIL TRAFFIC UTILIZING STAGE 1 MAIN

- ① REOPEN ASH STREET TO TRAFFIC AND PEDESTRIANS
- ② MAINTAIN THE PREVIOUS CLOSURES OF 10½ STREET AT LAUREL STREET. CLOSE TRAFFIC AND PEDESTRIAN ACCESS AT THE INTERSECTIONS OF 9TH STREET & LAUREL STREET. MYRTLE STREET BETWEEN 6TH STREET AND 9TH STREET SHALL BE RESIGNED AND RESTRIPE FOR TWO WAY TRAFFIC.
- ③ COMPLETE LAUREL STREET TRAFFIC DETOUR PLAN AND CONSTRUCTION FENCING,
- ④ COMPLETE ROAD CLOSURE OF LAUREL ST. BETWEEN 8TH STREET AND 11TH STREET.
- ⑤ CONSTRUCT NSRR STRUCTURE AND RETAINING WALLS ACCORDING TO STAGE 2A. CONSTRUCTION SEQUENCE SHOWN IN UPRR BRIDGE PLANS (SN 084-9956).
- ⑥ CONSTRUCT STAGE 2 MAIN (BY NSRR).
- ⑦ REMOVE EXISTING CROSSOVER JUST SOUTH (RR WEST) OF SOUTH GRAND AVE. (BY NSRR).
- ⑧ CONSTRUCT NO. 10 TURNOUT OFFLINE STATION 92454+78.32 (BY NSRR).
- ⑨ CONSTRUCT NO. 10 CROSSOVER STATION 82456+87.45 (BY NSRR).
- ⑩ CONSTRUCT STAGE 2 TRACK 1 & TRACK 2 (BY NSRR).

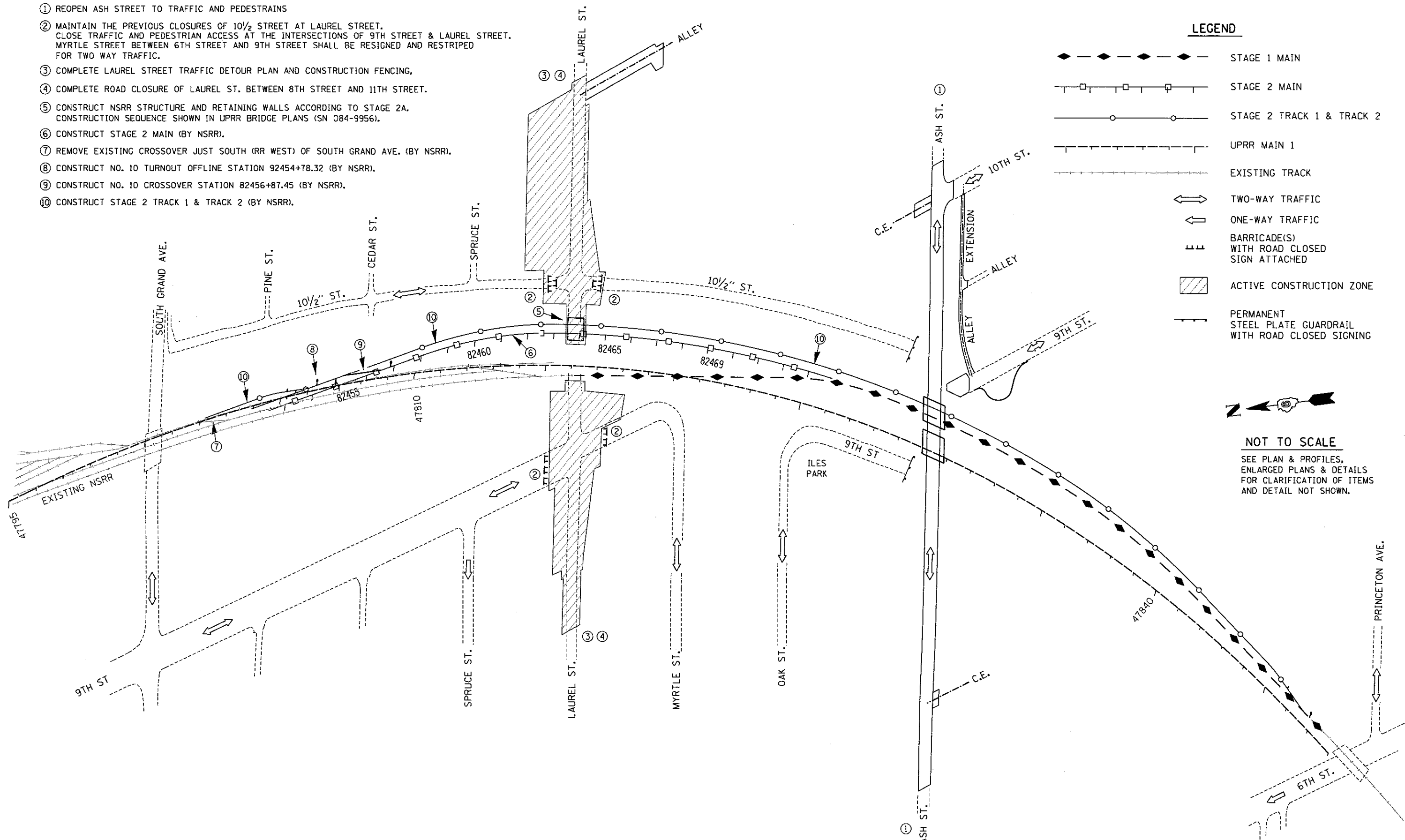
LEGEND

- ◆ - - - - - STAGE 1 MAIN
- - - - - STAGE 2 MAIN
- - - - - STAGE 2 TRACK 1 & TRACK 2
- - - - - UPRR MAIN 1
- - - - - EXISTING TRACK
- ↔ TWO-WAY TRAFFIC
- ONE-WAY TRAFFIC
- ⊥ BARRICADE(S) WITH ROAD CLOSED SIGN ATTACHED
- ▨ ACTIVE CONSTRUCTION ZONE
- PERMANENT STEEL PLATE GUARDRAIL WITH ROAD CLOSED SIGNING



NOT TO SCALE

SEE PLAN & PROFILES, ENLARGED PLANS & DETAILS FOR CLARIFICATION OF ITEMS AND DETAIL NOT SHOWN.



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DESIGNED	JWM	7/20/2015
DRAWN	CLG	7/20/2015
CHECKED	MNM	10/17/2016
REVIEWED		

FILE NAME =	USER NAME =
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DESIGNED -	MNM
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DATE -	
PLOT SCALE =	358.8888' / 1"
PLOT DATE =	2/24/2017

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CHECKED -	JWM/GNC	REVISED -	
DATE -		REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
USABLE SEGMENT II STAGING PLAN - TRACK /ROAD - 4**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	128
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

FINAL GRADING - RAIL TRAFFIC ON REALIGNED MAIN WITH RAIL 1 & 2 ONLINE

LEGEND

- ① REOPEN LAUREL STREET TO TRAFFIC AND PEDESTRIANS
- ② COMPLETE GRADING AND SUB-BALLAST WEST OF TRACKS, SEE TYPICAL SECTIONS.
- ③ COMPLETE GRADING WEST OF TRACKS, SEE TYPICAL SECTIONS.

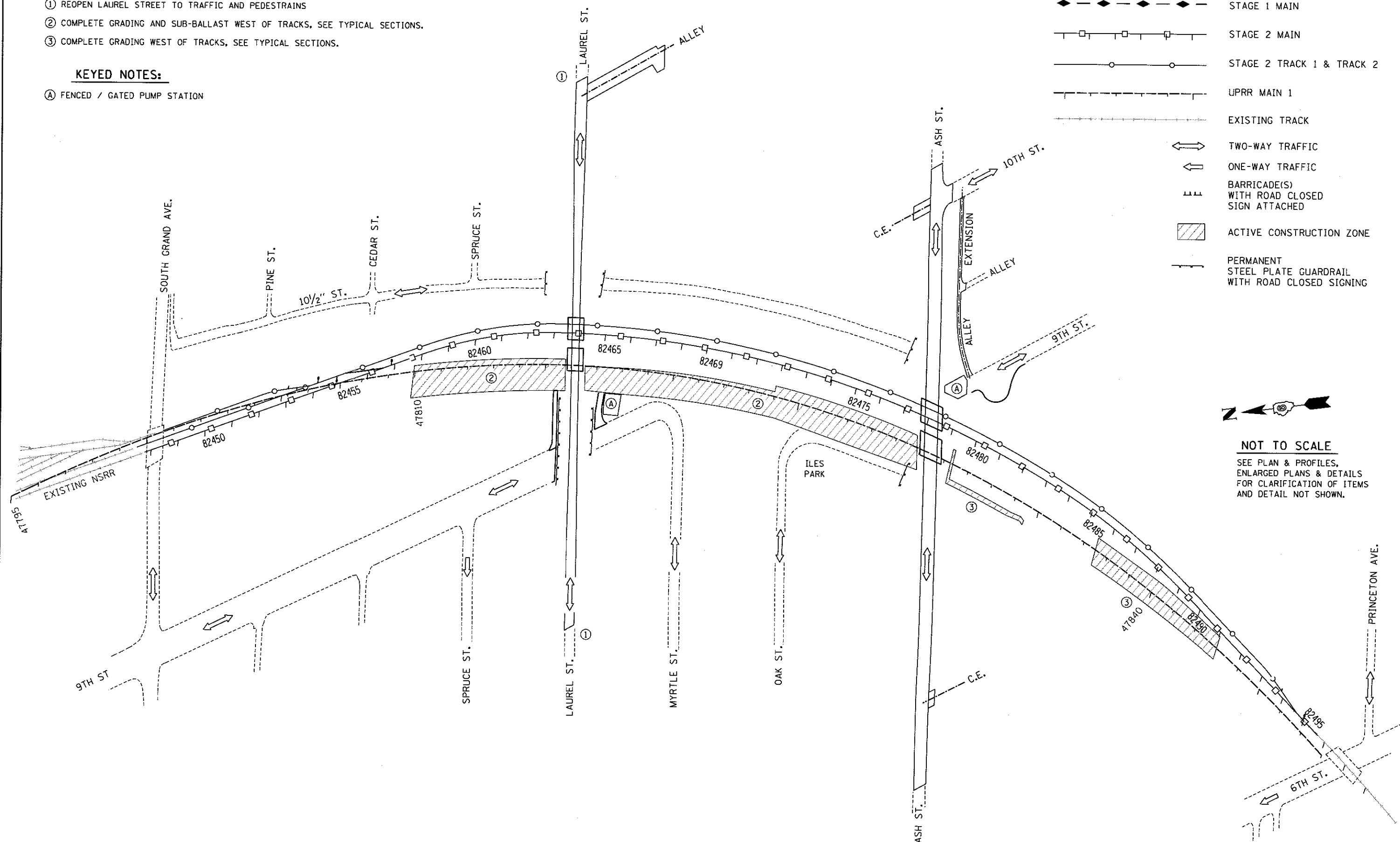
KEYED NOTES:

- (A) FENCED / GATED PUMP STATION

- ◆ - - - - - STAGE 1 MAIN
- - - - - - STAGE 2 MAIN
- - - - - - STAGE 2 TRACK 1 & TRACK 2
- - - - - UPRR MAIN 1
- - - - - EXISTING TRACK
- ↔ TWO-WAY TRAFFIC
- ← ONE-WAY TRAFFIC
- ⊥ BARRICADE(S) WITH ROAD CLOSED SIGN ATTACHED
- ▨ ACTIVE CONSTRUCTION ZONE
- PERMANENT STEEL PLATE GUARDRAIL WITH ROAD CLOSED SIGNING



NOT TO SCALE
SEE PLAN & PROFILES, ENLARGED PLANS & DETAILS FOR CLARIFICATION OF ITEMS AND DETAIL NOT SHOWN.



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DESIGNED	JWM	7/20/2015
DRAWN	CLG	7/20/2015
REVIEWED	MNM	10/11/2016

FILE NAME = 090179B-ATB_Sht_US2_01.dgn
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USER NAME = pop02275
PLOT SCALE = 350.0000' / 1" = 1" = 1" = 1"
PLOT DATE = 2/24/2017

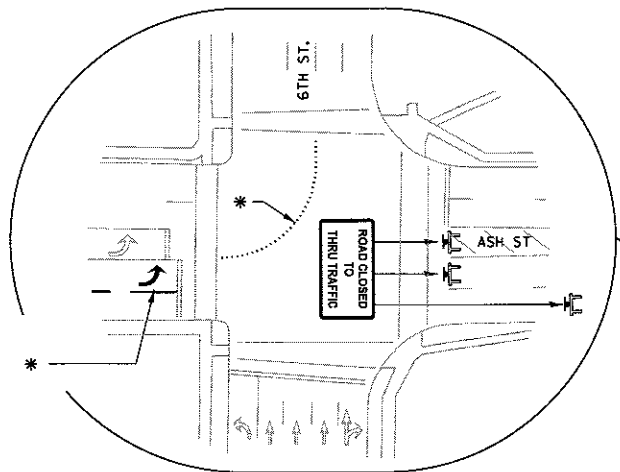
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CHECKED - JWM/GNC
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
USABLE SEGMENT II STAGING PLAN - TRACK / ROAD - 6**
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

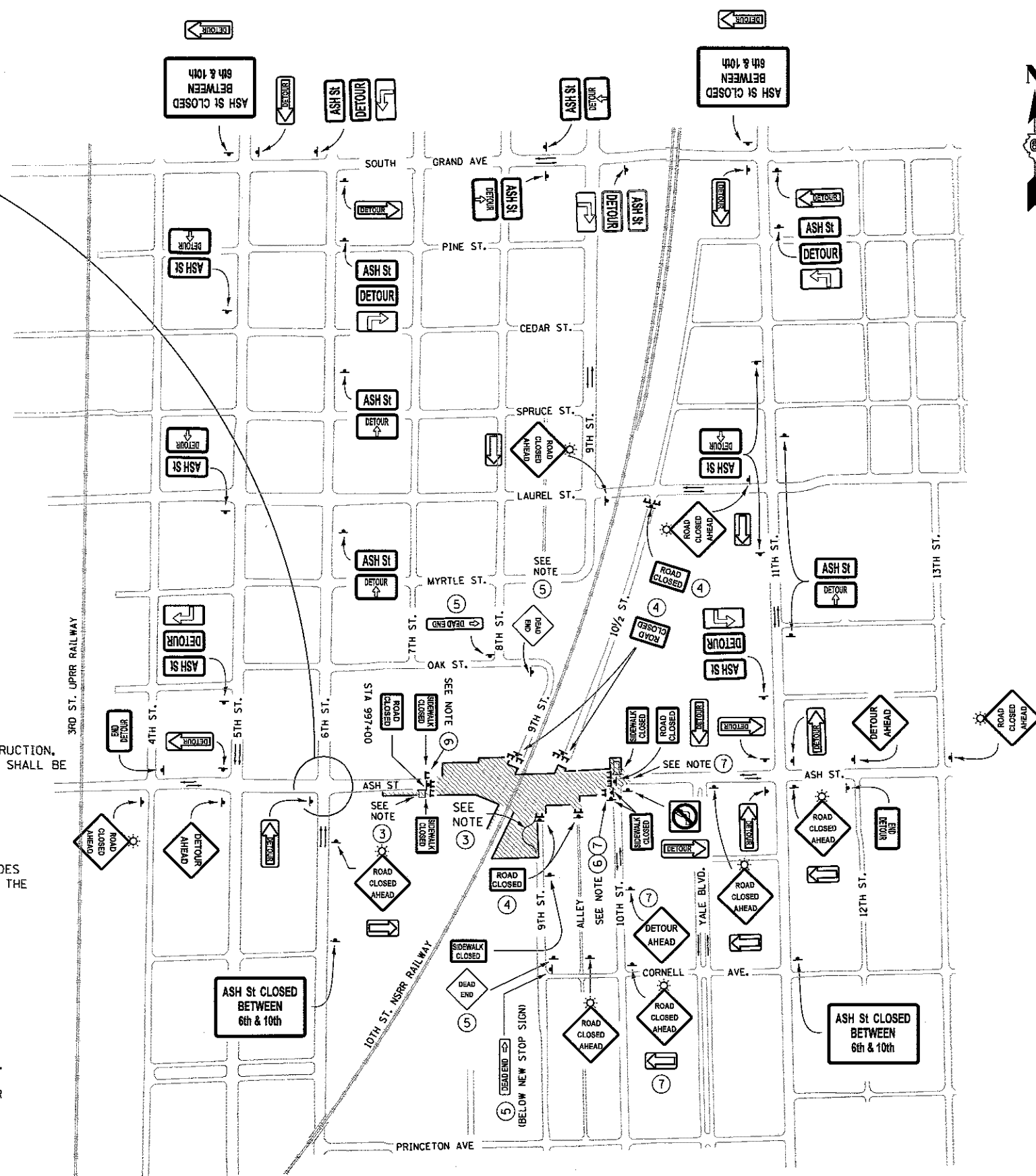
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	130
09L0179B			CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



* - TEMPORARY PAVEMENT MARKINGS, SEE PAVEMENT MARKING PLANS

NOTES

- 1 TRAFFIC CONTROL IS AN INTEGRAL PART OF THE CONTRACTOR'S MEANS AND METHODS FOR COMPLETING THE WORK. THE REQUIREMENTS SET FORTH HEREIN PRESENT THE MINIMUM REQUIREMENTS FOR THE CONTROL AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC. THE CONTRACTOR SHALL IMPLEMENT ALL ADDITIONAL MEASURES NECESSARY TO FULLY PROTECT PEDESTRIANS, VEHICLES AND THE CONTRACTOR'S WORK FORCE FROM THE CONTRACTOR'S WORK ACTIVITIES AND FROM PASSING TRAFFIC. FIELD MODIFICATION OF THE TRAFFIC CONTROL SCHEME DEPICTED IN THE TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER.
- 2 ALL WORK SHOWN ON THIS SHEET (EXCEPT STANDARDS 701501, 701606 701701 & 701801 AND PERMANENT DEAD END SIGNS) AND INCLUDING ANY OTHER WORK REQUIRED FOR THE DETOUR WILL BE PAID FOR AT THE CONTRACT PRICE FOR TRAFFIC CONTROL & PROTECTION, (SPECIAL).
- 3 ASH STREET WIDENING, RESURFACING INCLUDING ENTRANCE CONSTRUCTION, 9TH STREET CUL-DE-SAC AND ALLEY EXTENSION TO 10TH STREET SHALL BE COMPLETED PRIOR TO IMPLEMENTATION OF THE DETOUR PLAN. USE STANDARD 701606 FOR TRAFFIC CONTROL ON ASH STREET USE STANDARDS 701006 AND 701501 FOR TRAFFIC CONTROL ON 9TH STREET.
- 4 9TH ST AND 10 1/2 ST, AND THE ALLEY BETWEEN 9TH AND 10TH STREETS, NEAR ASH ST SHALL BE CLOSED WITH TYPE 3 BARRICADES W/ 2 FLASHING LIGHTS EACH AND ROAD CLOSED SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION ON ASH STREET.
- 5 PERMANENT CLOSURE BARRIERS AND DEAD END SIGNS WILL BE PLACED AFTER ASH STREET CONSTRUCTION IS COMPLETE. DEAD END SIGNS SHALL HAVE A YELLOW BACKGROUND.
- 6 TYPE 3 BARRICADES, ROAD CLOSED SIGNS & SIDEWALK CLOSED SIGNS WILL BE UTILIZED AND MAINTAINED BY THE CONTRACTOR TO PROTECT THE PUBLIC.
- 7 USE STANDARD 701701 FOR LANE CLOSURES AT THE 10TH AND ASH INTERSECTION FOR SEWER AND SIDEWALK CONSTRUCTION. A ONE MONTH TEMPORARY CLOSURE OF 10TH STREET WILL BE PERMITTED FOR 10TH STREET INTERSECTION CONSTRUCTION PRIOR TO OPENING ASH STREET TO TRAFFIC. TYPE 3 BARRICADES, ROAD CLOSED SIGNS & SIDEWALK CLOSED SIGNS WILL BE MOVED TO EAST SIDE OF 10TH STREET DURING TEMPORARY CLOSURE OF 10TH STREET FOR 10TH STREET INTERSECTION CONSTRUCTION. DETOUR AHEAD SIGN SHALL BE REPLACED WITH ROAD CLOSED AHEAD SIGN AND ARROW SIGN SHALL BE REMOVED DURING 10TH STREET TEMPORARY CLOSURE.
- 8 ALL DETOUR RELATED SIGNS SHALL HAVE AN ORANGE BACKGROUND.



LEGEND

- LIMITS OF ROADWAY CONSTRUCTION
- INDICATES TRAFFIC DIRECTION
- ROAD CLOSED TO THRU TRAFFIC R11-4 60x30
- ROAD CLOSED R11-2 48 X 30
- M16-6PR & M16-6PL 24 X 18
- M4-8 24 X 12
- ROAD CLOSED AHEAD W20-3(O)-48 FLASHING MONO-DIRECTIONAL LIGHT
- DETOUR AHEAD W20-2(O)-48
- M4-10L & M4-10R 48 X 18
- END DETOUR M4-8A 24 X 18
- DETOUR M4-9 30 X 24
- W16-5P 24x18 (BLACK ARROW & BORDER WITH ORANGE HI-REFLECTIVITY FIELD)
- TYPE 3 BARRICADES
- NO LEFT TURN (R3-2) 24 X 24
- NO RIGHT TURN (R3-1) 24 X 24
- DEAD END W14-1 30x30 SEE NOTE 5
- CUSTOM DETOUR SIGN 1 BLACK LETTERING AND BORDER WITH ORANGE HI-REFLECTIVITY FIELD 48 X 30
- CUSTOM DETOUR SIGN 2 BLACK LETTERING AND BORDER WITH ORANGE HI-REFLECTIVITY FIELD 24 X 12
- SIDEWALK CLOSED R9-9 24 X 18
- DEAD END WITH ARROW W14-1dL 36x8
- DEAD END WITH ARROW W14-1dR 36x8

FINAL
DESIGNED - JWM 7/20/2015
DRAWN - CLG 7/20/2015
REVIEWED - MNM 10/11/2016

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DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
TRAFFIC DETOUR PLAN - ASH STREET**

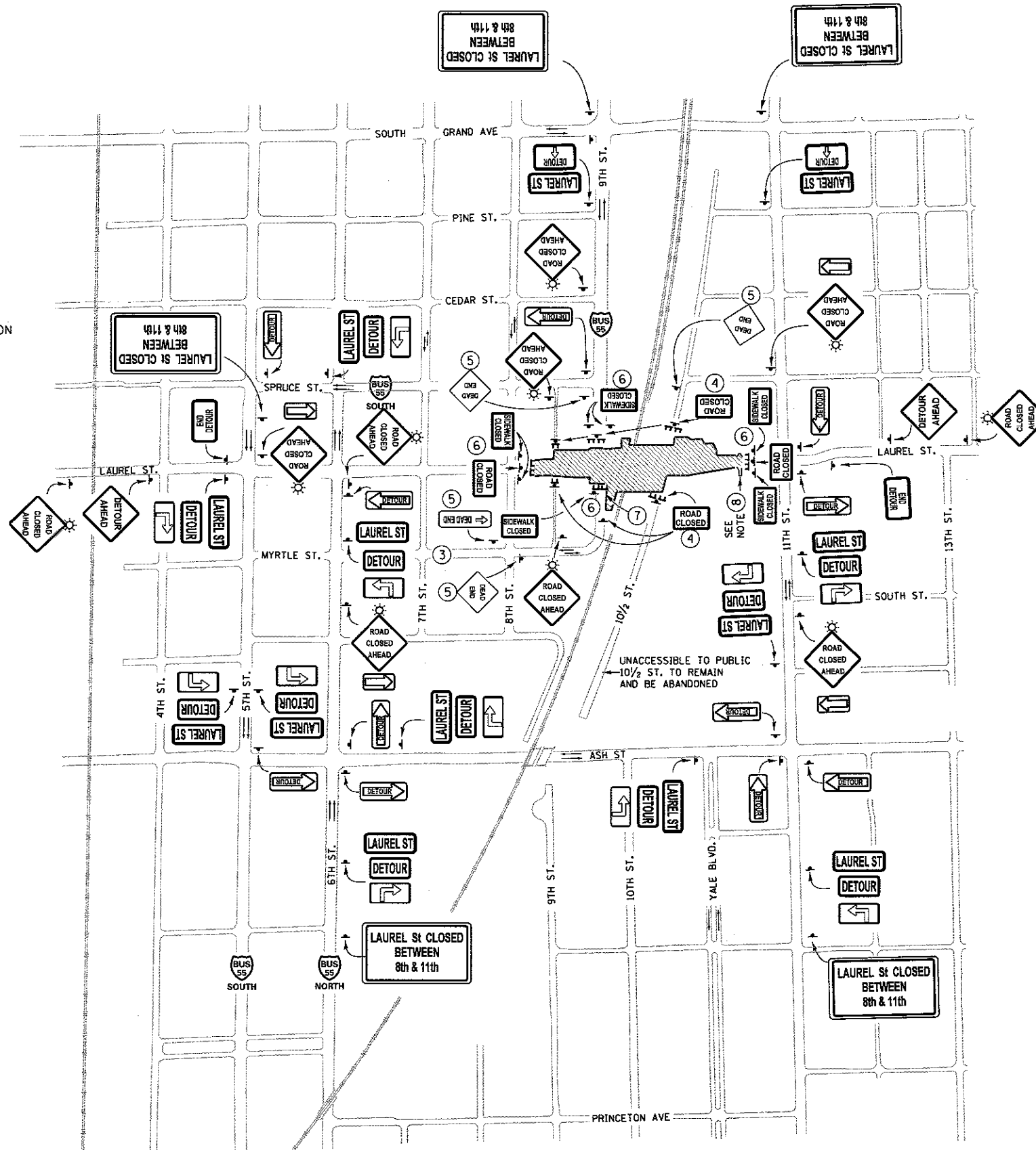
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	131
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



LEGEND

- LIMITS OF ROADWAY CONSTRUCTION
- INDICATES EXISTING TRAFFIC DIRECTION
- ROAD CLOSED R11-2 48 X 30
- ROAD CLOSED AHEAD W20-3(O)-48 FLASHING MONO-DIRECTIONAL LIGHT
- DETOUR AHEAD W20-2(O)-36
- M4-10L & M4-10R 48 X 18
- END DETOUR M4-8A 24 X 18
- DETOUR M4-9 30 X 24
- BLACK ARROW & BORDER WITH ORANGE HI-REFLECTIVITY FIELD W16-5P 24x18
- TYPE 3 BARRICADES
- DEAD END W14-1 30X30 SEE NOTE 5
- CUSTOM DETOUR SIGN 3 BLACK LETTERING AND BORDER WITH ORANGE HI-REFLECTIVITY FIELD 48 X 30
- CUSTOM DETOUR SIGN 4 BLACK LETTERING AND BORDER WITH ORANGE HI-REFLECTIVITY FIELD 24 X 12
- SIDEWALK CLOSED R9-9 24 X 18
- DEAD END WITH ARROW W14-1dL 36 X 8
- M16-6PR & M16-6PL 24 X 18
- M4-8 24 X 12



NOTES

- ① TRAFFIC CONTROL IS AN INTEGRAL PART OF THE CONTRACTOR'S MEANS AND METHODS FOR COMPLETING THE WORK. THE REQUIREMENTS SET FORTH HEREIN PRESENT THE MINIMUM REQUIREMENTS FOR THE CONTROL AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC. THE CONTRACTOR SHALL IMPLEMENT ALL ADDITIONAL MEASURES NECESSARY TO FULLY PROTECT PEDESTRIANS, VEHICLES AND THE CONTRACTOR'S WORK FORCE FROM THE CONTRACTOR'S WORK ACTIVITIES AND FROM PASSING TRAFFIC. FIELD MODIFICATION OF THE TRAFFIC CONTROL SCHEME DEPICTED IN THE TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER.
- ② ALL WORK SHOWN ON THIS SHEET (EXCEPT STANDARDS 701501, 701606 & 701801 AND PERMANENT DEAD END SIGNS) AND INCLUDING ANY OTHER WORK REQUIRED FOR THE DETOUR WILL BE PAID FOR AT THE CONTRACT PRICE FOR TRAFFIC CONTROL & PROTECTION, (SPECIAL).
- ③ MYRTLE STREET EAST OF 6TH STREET AND THE ADJOINING 9TH STREET SECTION SOUTH OF LAUREL, WHICH ARE EXISTING ONE WAY EAST/NORTH, SHALL BE RESIGNED AND RESTRIPE FOR TWO WAY TRAFFIC AFTER THE CLOSING OF 9TH STREET ACCESS ACROSS LAUREL STREET. THE CLOSING OF THE MYRTLE STREET CONNECTION TO 9TH STREET NECESSITATES RELOCATION OF A SECTION OF BUSINESS 55 NORTH. THE EXISTING BUSINESS 55 SIGNING IN ADVANCE OF MYRTLE STREET SHALL BE REMOVED AND RELOCATED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ④ 9TH ST AND 10 1/2 ST, AND THE ALLEY BETWEEN 8TH AND 9TH STREETS, NEAR LAUREL ST SHALL BE CLOSED WITH TYPE 3 BARRICADES AND ROAD CLOSED SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION ON LAUREL STREET.
- ⑤ PERMANENT CLOSURE BARRIERS AND DEAD END SIGNS WILL BE PLACED AFTER LAUREL STREET CONSTRUCTION IS COMPLETE. DEAD END SIGNS SHALL HAVE A YELLOW BACKGROUND.
- ⑥ TYPE 3 BARRICADES, ROAD CLOSED SIGNS & SIDEWALK CLOSED SIGNS WILL BE UTILIZED AND MAINTAINED BY THE CONTRACTOR TO PROTECT THE PUBLIC.
- ⑦ USE STANDARDS 701006 AND 701501 FOR CONSTRUCTION ADJACENT TO 9TH STREET.
- ⑧ ALLEY WIDENING SHALL BE COMPLETED USING STANDARD 701501 PRIOR TO ASH STREET CLOSURE. SEE STAGING PLANS.
- ⑨ ALL DETOUR RELATED SIGNS SHALL HAVE AN ORANGE BACKGROUND.

FINAL
 DESIGNED JWM 3/20/2015
 DRAWN CLG 7/20/2015
 REVIEWED MNN 10/11/2016

FILE NAME = D689L01798-shl-staging-LAUREL-001.dgn
 USER NAME = pep00275
 PLOT SCALE = 600.0000 / 1" = 100'
 PLOT DATE = 2/24/2017

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 DRAWN - CLG
 CHECKED - JWM/MNN
 DATE -

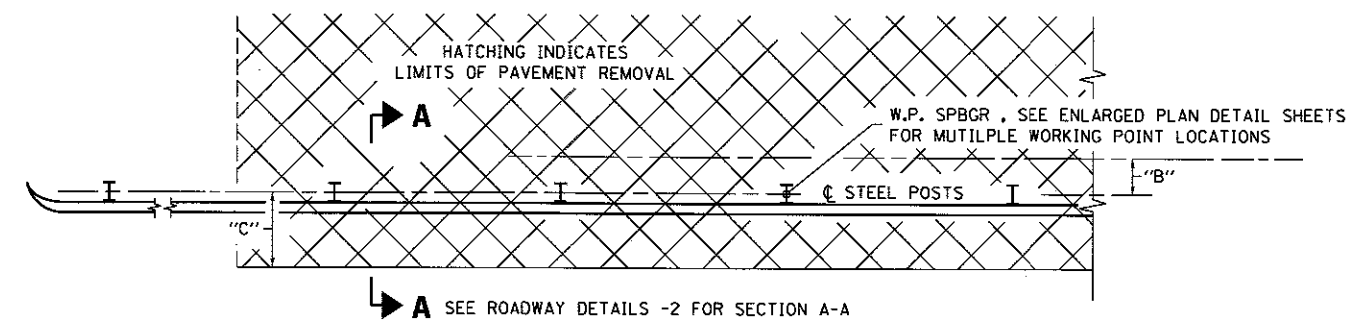
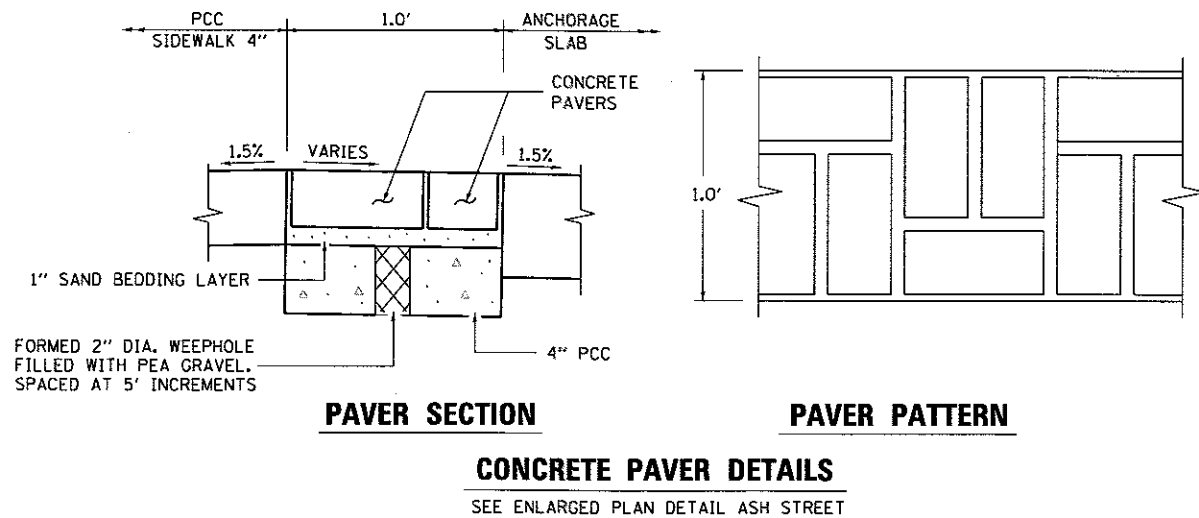
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

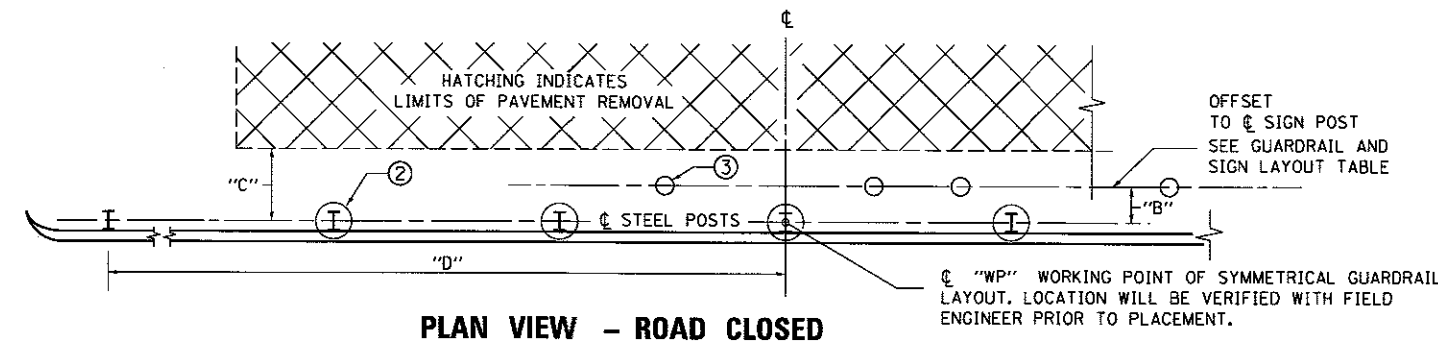
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 TRAFFIC DETOUR PLAN - LAUREL STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	132
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



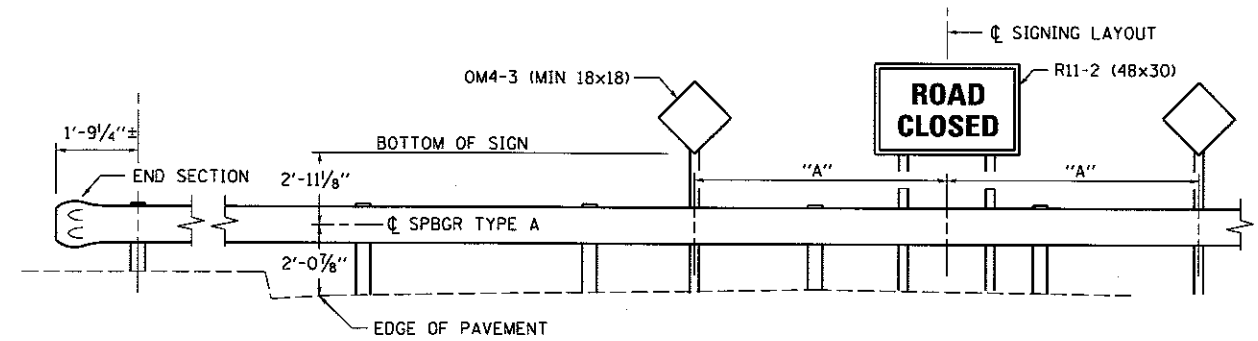
SIDEROAD APPROACHES TO LAUREL UNDERPASS (W) (X)



SIDEROAD APPROACHES TO ASH UNDERPASS (P) (Q)
SIDEROAD APPROACHES TO LAUREL UNDERPASS (Y) (Z)

ROAD CLOSED GUARDRAIL AND SIGN LAYOUT TABLE							
LOCATION	STREET	"A"	"B"	"C"	"D"	"W.P. SPBGR & POST" - ①	SIGNING LAYOUT - ①
(P)	ILES PARK	9TH ST.	4'	1'	2'	6'-3"	1001+44.7, 146.4' LT CENTERED ON EXIST ROADWAY
(Q)	NORTH OF ASH	10 1/2 ST.	7'	1'	2'	12'-6"	1003+81.5, 178.9' LT CENTERED ON EXIST ROADWAY
(W)	NORTH OF LAUREL	9TH ST.	7'	1'	(4)	NA	SEE ENLARGED PLAN DETAIL - LAUREL ST -2 CENTERED ON EXIST SB LANES
(X)	SOUTH OF LAUREL	9TH ST.	7'	1'	(4)	NA	SEE ENLARGED PLAN DETAIL - NINTH ST CENTERED ON EXIST NB LANES
(Y)	SOUTH OF LAUREL	10 1/2 ST.	5'	1'	2'	15'-7 1/2"	1001+89.42, 85.1' RT CENTERED ON EXIST ROADWAY
(Z)	NORTH OF LAUREL	10 1/2 ST.	5'	1'	2'	15'-7 1/2"	1001+34.3, 103' LT CENTERED ON EXIST ROADWAY

- ① LOCATION WILL BE VERIFIED WITH FIELD ENGINEER PRIOR TO PLACEMENT.
- ② CORE 12" DIAMETER HOLE IN EXISTING PAVEMENT FOR GUARDRAIL POSTS. BACKFILL WITH AGGEGATE AND BRING FLUSH WITH EXISTING PAVT WITH 2" THICK HMA MIXTURE. COST INCLUDED IN CONTRACT PRICE FOR SPBGR TYPE A.
- ③ CORE 6" DIAMETER HOLE IN EXISTING PAVEMENT FOR SIGN POSTS. BACKFILL WITH AGGEGATE AND BRING FLUSH WITH EXISTING PAVT WITH 2" THICK HMA MIXTURE. COST INCLUDED IN COST OF SIGN PANEL ASSEMBLY.
- ④ SEE ROADWAY DETAILS - ASH & LAUREL STREETS -2 FOR SECTION A-A.



TYPICAL ROAD CLOSED AT SIDEROAD
ELEVATION VIEW

DESIGNED: JWM 7/20/2015
 DRAWN: CLG 7/20/2015
 REVIEWED: MNM 10/17/2016

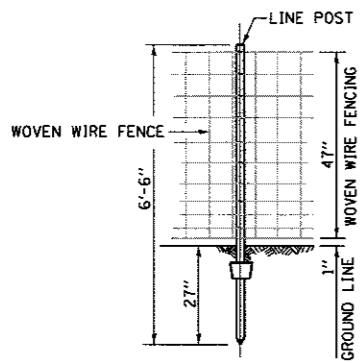
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D60%L0179B-ash-Details-Road-ASH-LAUREL-001.dgn		DRAWN - CLG	REVISED -
PLOT SCALE = 10.0000' / 1" =		CHECKED - JWM/MNM	REVISED -
PLOT DATE = 2/24/2017		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ROADWAY DETAILS - ASH & LAUREL STREETS -1

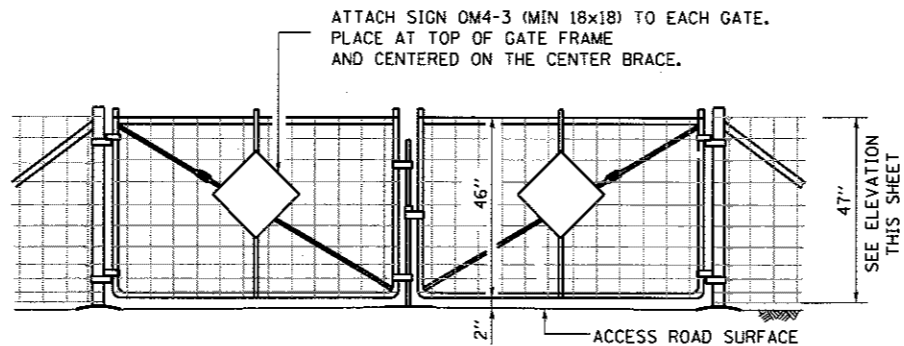
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	133
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



WOVEN WIRE FENCE 4 FT. ELEVATION

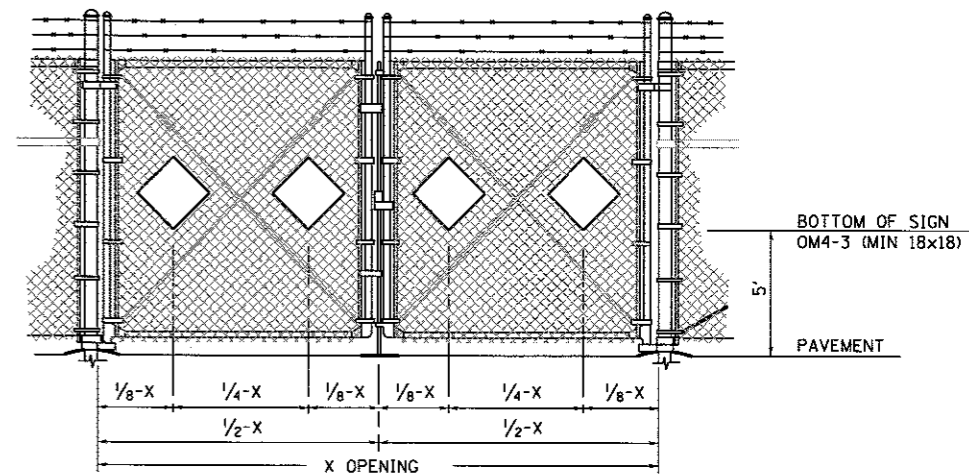
SEE STANDARD 665001-02 FOR ADDITIONAL DETAILS



RAILWAY ACCESS GATE ELEVATION

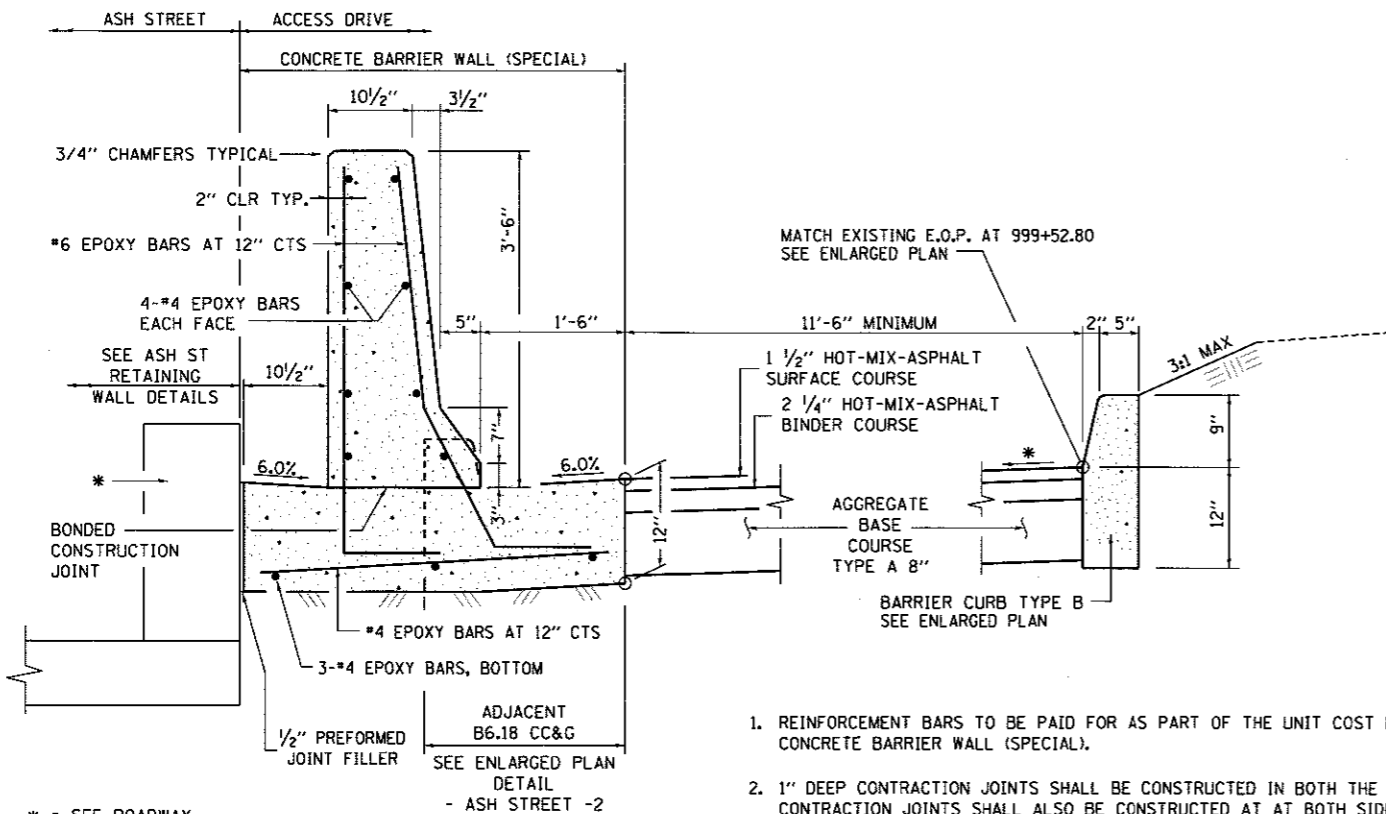
WOVEN WIRE FENCE 4 FT.

SEE STANDARD 665001-02 FOR ADDITIONAL DETAILS



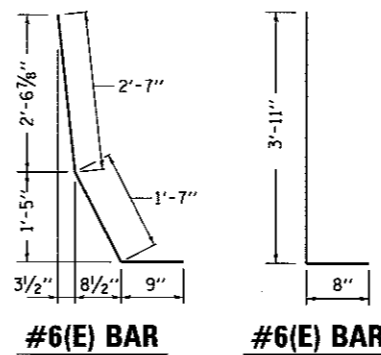
PUMP STATION GATE SIGNING

ELEVATION



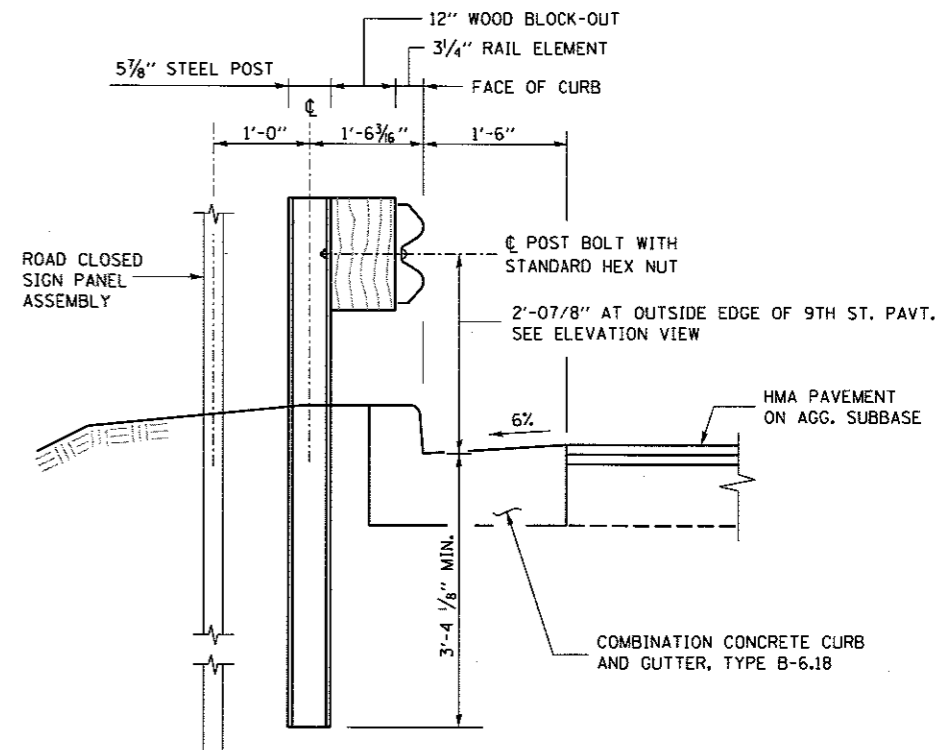
SECTION B-B

SEE ENLARGED PLAN DETAIL - ASH STREET -2



BENDING DIAGRAMS

1. REINFORCEMENT BARS TO BE PAID FOR AS PART OF THE UNIT COST FOR: CONCRETE BARRIER WALL (SPECIAL).
2. 1" DEEP CONTRACTION JOINTS SHALL BE CONSTRUCTED IN BOTH THE REINFORCED CONCRETE BARRIER WALL AND BASE. CONTRACTION JOINTS SHALL ALSO BE CONSTRUCTED AT BOTH SIDES OF ALL DRAINAGE STRUCTURES. MAXIMUM JOINT SPACING SHALL BE 20 FEET.
3. THE FORMING OF CONTRACTION JOINTS SHALL BE DONE WITH AN APPROVED FINISHING TOOL AT THE DISCRETION OF THE ENGINEER SUBJECT TO THE SATISFACTORY CONTROL OF CRACKING. THE SAWING OF CONTRACTION JOINTS IN THE BARRIER WALL SHALL NOT BE PERMITTED.
4. REINFORCING BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
5. REINFORCING BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315, LATEST EDITION.
6. REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
7. LAP LENGTH FOR #4 (E) BARS = 2'-7".



SECTION A-A

SPBGR AT END OF EXISTING PAVEMENT AT 9TH ST

NORTH (W) AND SOUTH (X) APPROACHES TO LAUREL UNDERPASS



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DESIGNED	JWM	7/20/2015
DRAWN	CLG	7/20/2015
REVIEWED	MNM	8/11/2015

FILE NAME =	D609L01798-ht-Details-Road_ASH.LAUREL-02.dgn	USER NAME =	pop28275	DESIGNED -	JWM	REVISED -	
				DRAWN -	CLG	REVISED -	
				CHECKED -	JWM/MNM	REVISED -	
				DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

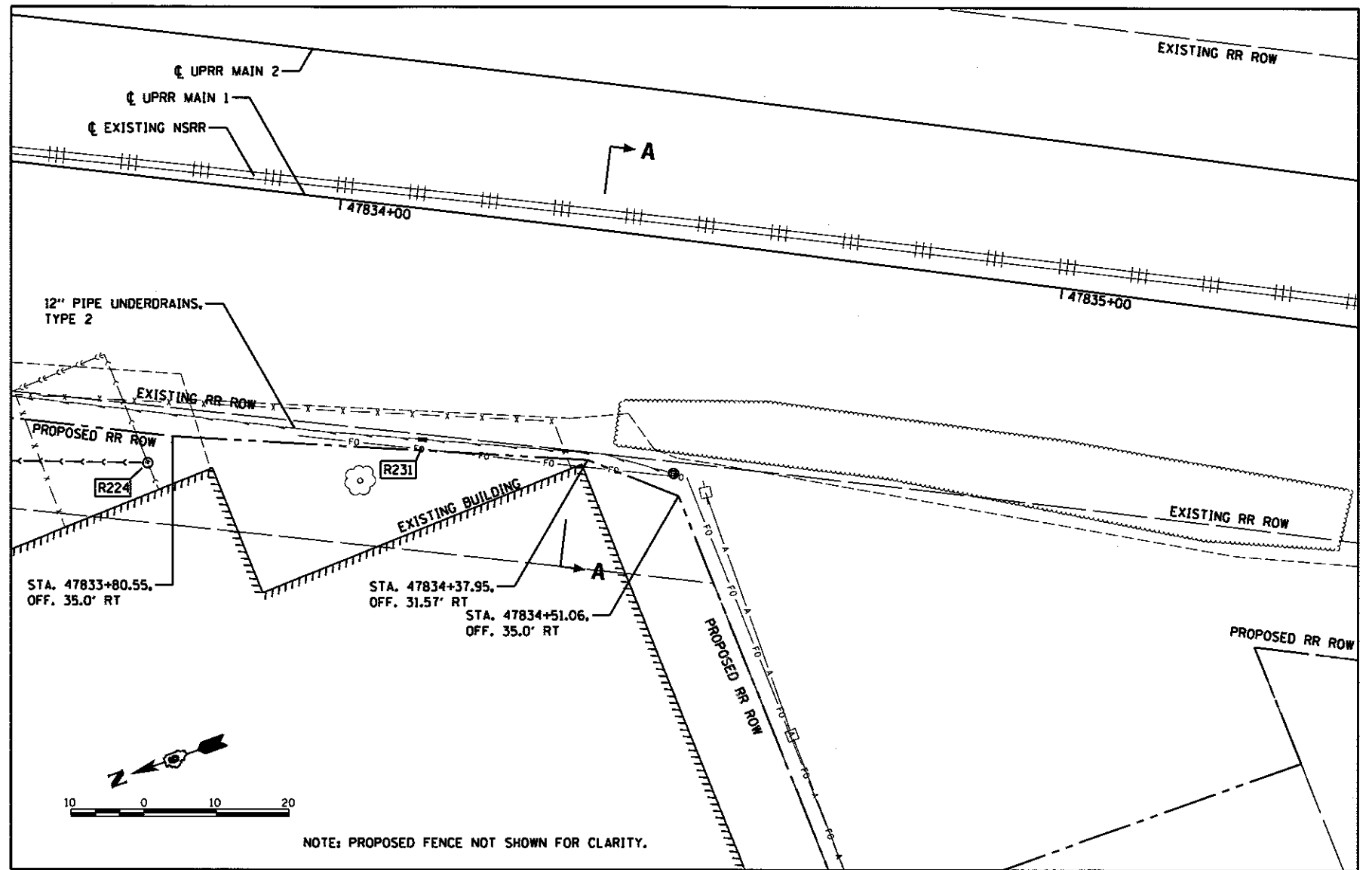
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ROADWAY DETAILS - ASH & LAUREL STREETS -2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	134
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

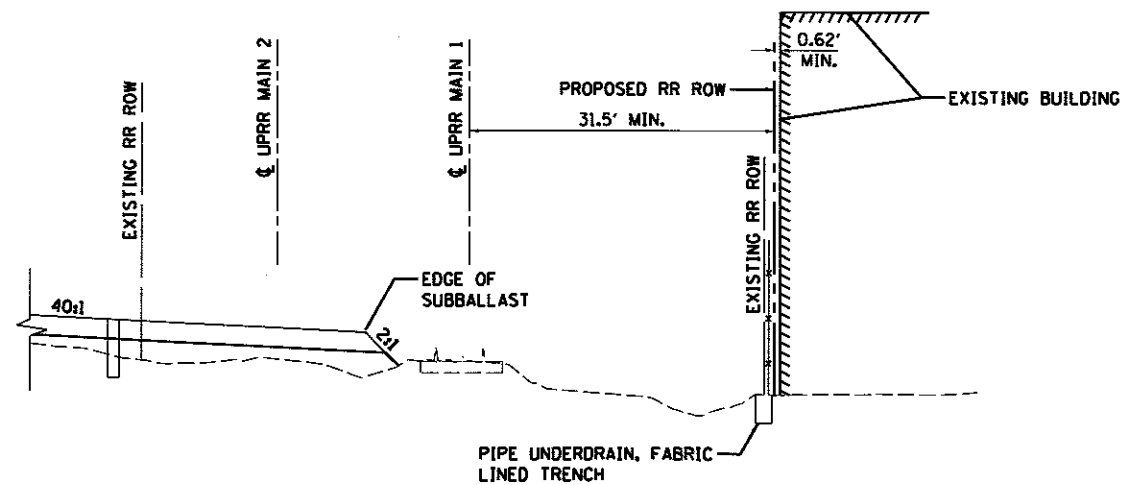
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.



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NOTE: PROPOSED FENCE NOT SHOWN FOR CLARITY.



FINAL
DESIGNED - RGC 7/20/2015
DRAWN - EJM 7/20/2015
REVIEWED - MNN 10/11/2016

FILE NAME =	USER NAME = pop0275	DESIGNED - RGC	REVISED -
DB09L0179B-sht-plan-grading-ASH10-TRACK	001.dgn	DRAWN - EJM	REVISED -
Sheet 1	PLOT SCALE = 20.0000' / in.	CHECKED - JWM/MNN	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

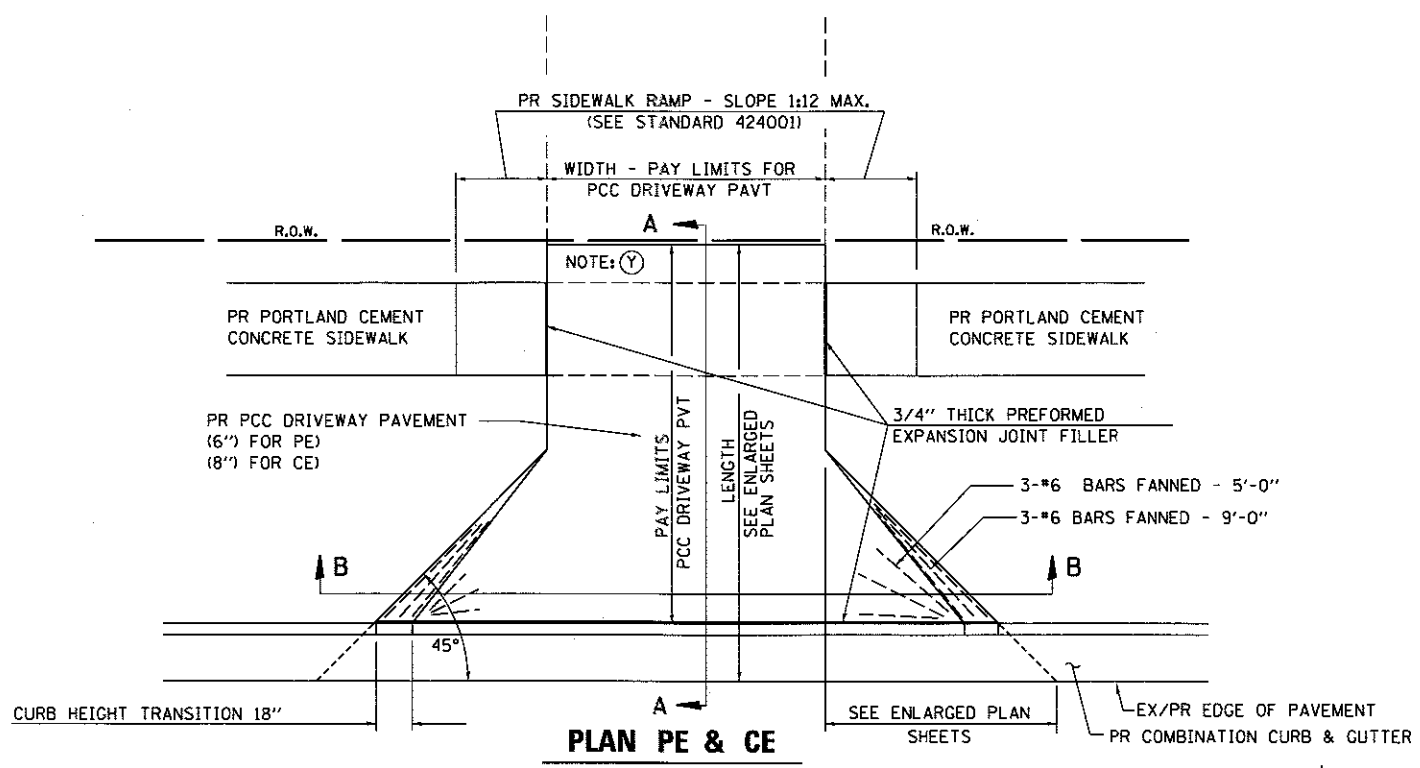
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
TRACK GRADING DETAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	135
	09L0179B	CONTRACT NO. 93704		
ILLINOIS FED. AID PROJECT				

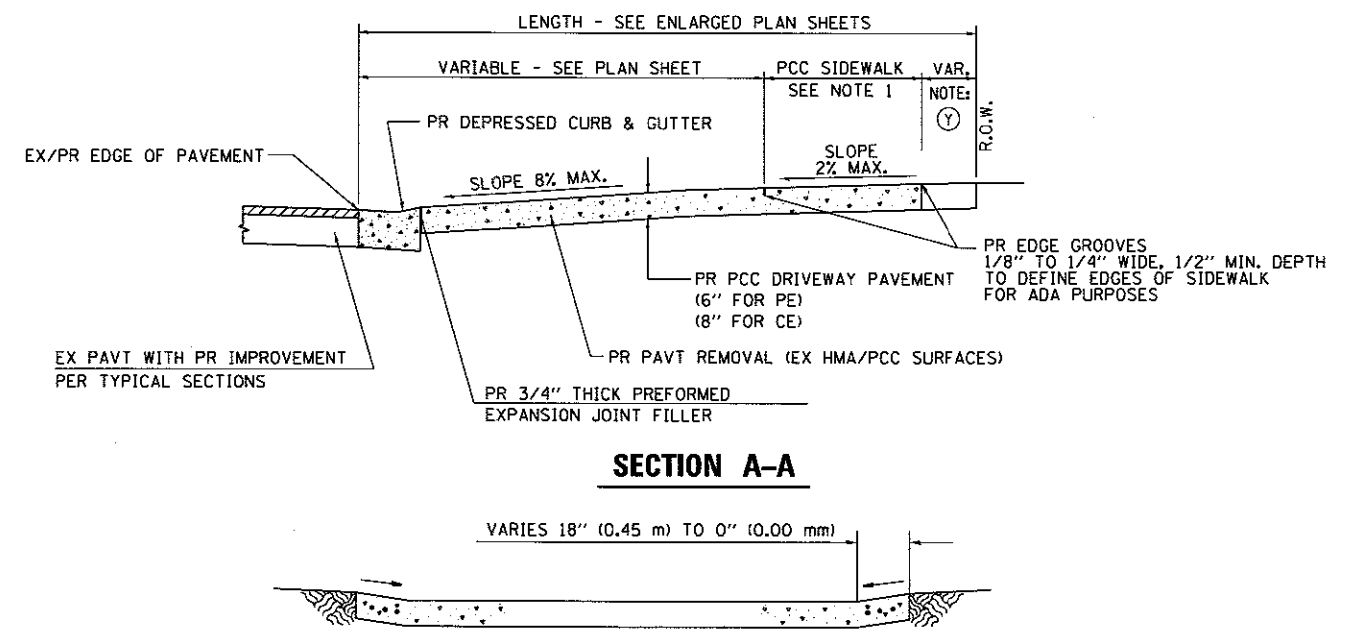
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



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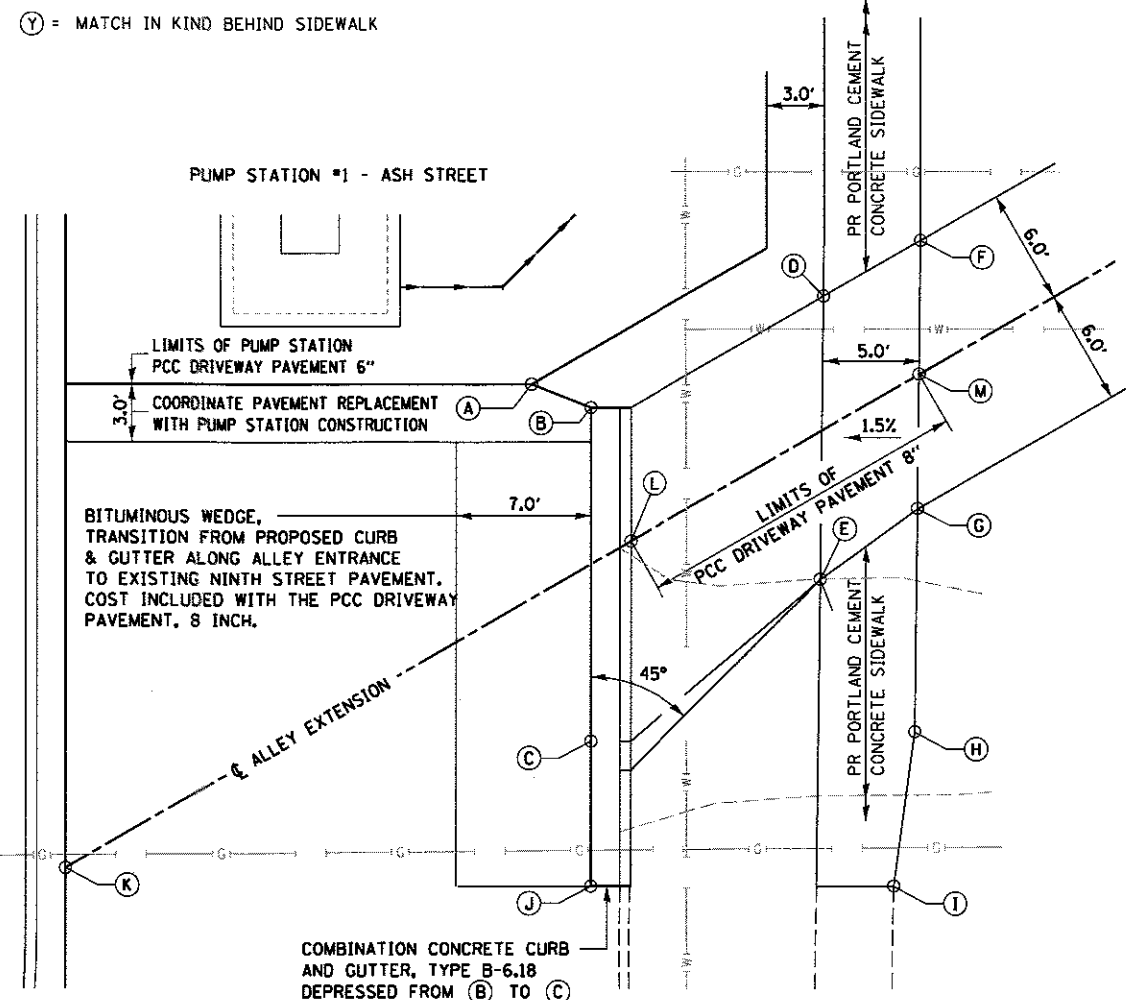


(Y) = MATCH IN KIND BEHIND SIDEWALK

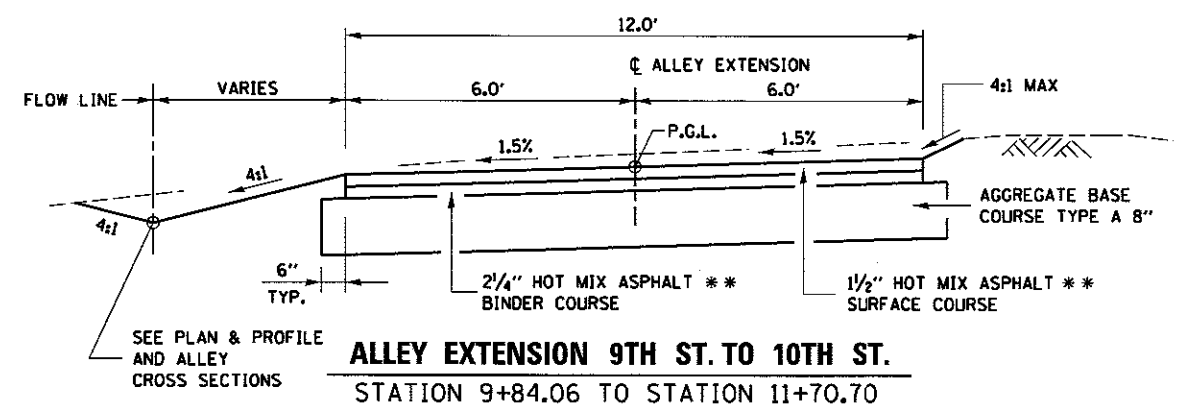


- NOTES:
1. SEE PLAN SHEET / ENTRANCE PROFILE FOR LOCATION OF SIDEWALK.
 2. THE COST OF FURNISHING AND INSTALLING THE 3/4" (19 mm) PREFORMED EXPANSION JOINT FILLER AND REINFORCEMENT BARS SHALL BE INCLUDED IN THE COST OF P.C.C. DRIVEWAY PAVEMENT.

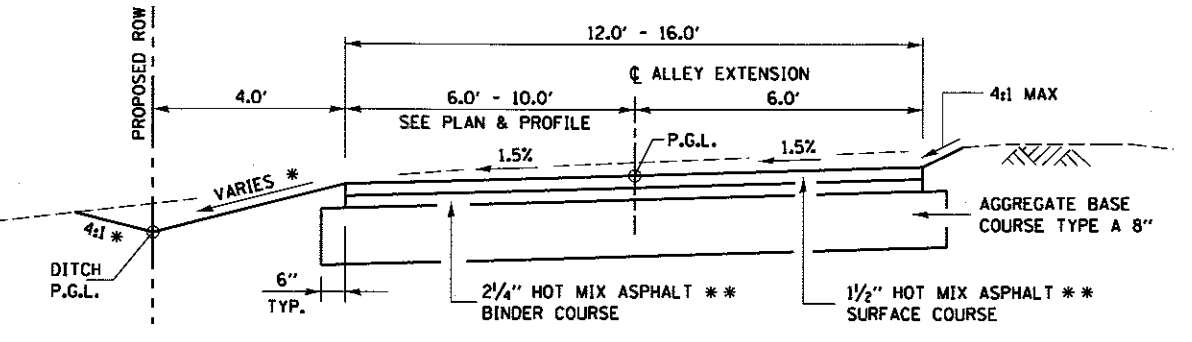
POINT	STATION	OFFSET	ELEVATION
A	9+66.34	9.63' LT	599.50
B	9+68.40	7.04' LT	599.30
C	9+59.76	7.94' RT	598.80
D	9+81.81	6.00' LT	599.60
E	9+74.30	6.67' RT	599.42
F	9+87.62	6.00' LT	599.70
G	9+80.51	6.00' RT	599.55
H	9+74.61	15.96' RT	599.40
I	9+69.69	22.32' RT	MATCH EXIST
J	9+56.01	14.43' RT	MATCH EXIST
K	9+32.88	0.00'	NA
L	9+66.74	0.00'	599.15
M	9+84.06	0.00'	599.62



ALLEY ENTRANCE AT 9TH STREET
 ADJACENT TO PUMP STATION #1 - ASH STREET
 SEE DETAIL ABOVE FOR PLACEMENT OF REINFORCEMENT & PREFORMED EXPANSION JOINT FILLER



ALLEY EXTENSION 9TH ST. TO 10TH ST.
 STATION 9+84.06 TO STATION 11+70.70



ALLEY EXTENSION 9TH ST. TO 10TH ST.
 STATION 11+70.70 TO STATION 12+95

- * SEE PLAN & PROFILE FOR LIMITS OF SPECIAL DITCH
- ** SEE PLAN & PROFILE FOR HOT-MIX ASPHALT MIXTURE REQUIREMENTS

FINAL
 DESIGNED 7/20/2015
 DRAWN 7/20/2015
 REVIEWED 10/17/2016

FILE NAME =	USER NAME = pop89275	DESIGNED - JWM	REVISED -
D609L0179B-ent-Details-Road-ASH-LAUREL-004.dgn		DRAWN - CLG	REVISED -
	PLOT SCALE = 10.0000' / 1" =	CHECKED - JWM/MMM	REVISED -
Sheet 2	PLOT DATE = 2/24/2017	DATE -	REVISED -

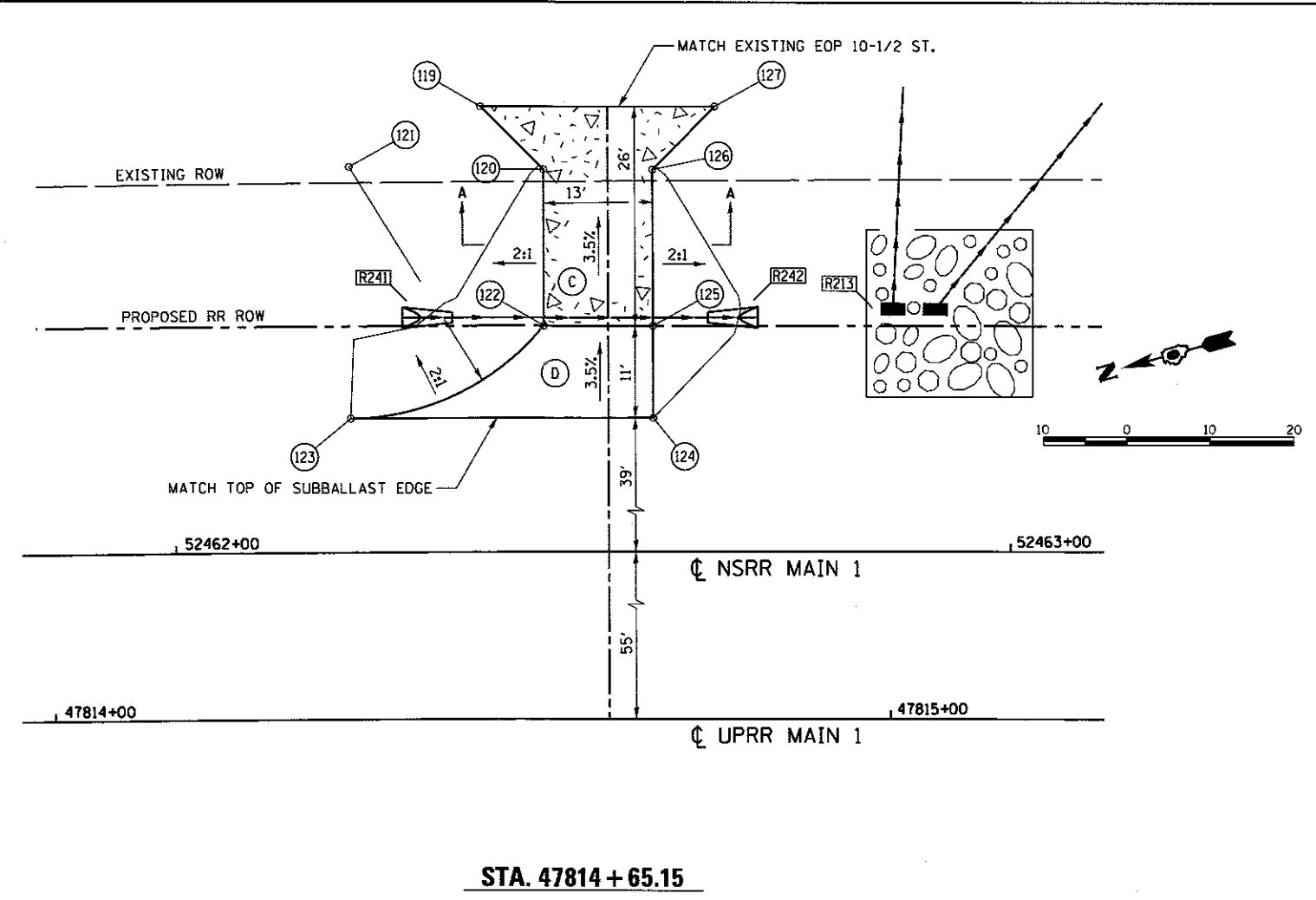
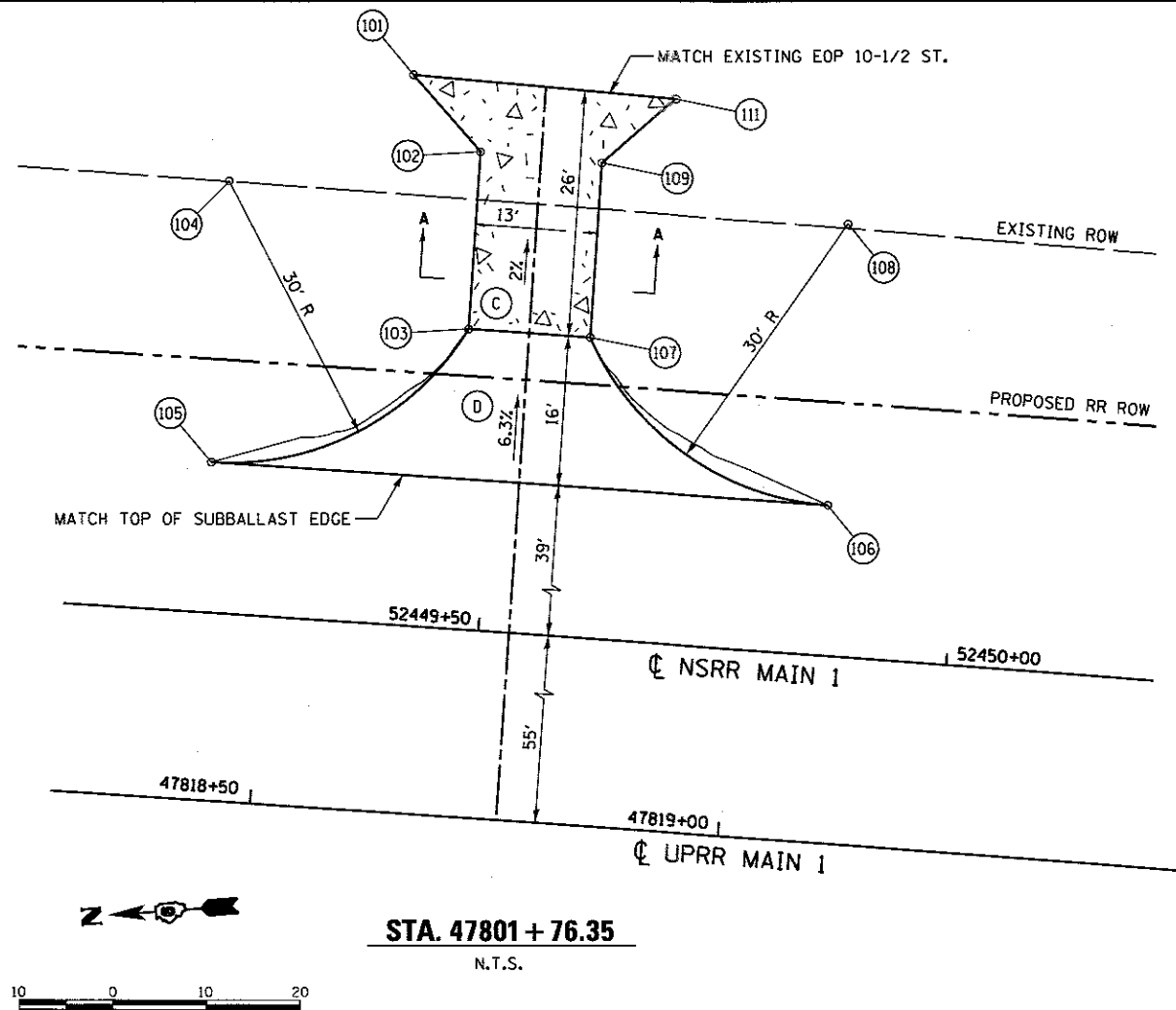
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 ENTRANCE DETAILS AND TYPICAL SECTION ALLEY EXTENSION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	136
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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NOTES

- (A) SEE CROSS SECTION SHEETS FOR SECTION THRU ENTRANCES AND TURNAROUND.
- (B) SEE FENCING PLAN FOR FENCE AND GATE LOCATIONS.
- (C) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH.
- (D) SUBBALLAST, 12 INCH.

POINT #	STATION	OFFSET	NORTHING	EASTING	ELEV.
101	47801+62.40	-136.58	1,136,646.11	2,443,989.35	602.75
102	47801+69.95	-128.89	1,136,639.09	2,443,981.06	602.82
103	47801+69.93	-110.00	1,136,640.66	2,443,962.23	603.26
104	47801+43.77	-124.00	1,136,665.98	2,443,978.33	NA
105	47801+43.77	-94.00	1,136,668.35	2,443,948.42	604.61
106	47802+08.92	-94.00	1,136,602.68	2,443,942.95	604.68
107	47801+82.76	-110.00	1,136,627.71	2,443,961.15	603.26
108	47802+08.92	-124.00	1,136,600.07	2,443,972.83	NA
109	47801+82.75	-128.59	1,136,626.16	2,443,979.68	603.09
111	47801+89.95	-135.93	1,136,618.25	2,443,986.37	603.18
119	47814+51.37	-131.16	1,135,355.04	2,443,776.45	604.22
120	47814+58.75	-123.65	1,135,349.53	2,443,767.39	604.26
121	47814+35.82	-124.03	1,135,372.06	2,443,773.21	NA
122	47814+58.73	-105.00	1,135,353.94	2,443,749.27	604.81
123	47814+35.83	-94.00	1,135,879.05	2,443,744.00	605.34
124	47814+71.58	-94.00	1,135,343.91	2,443,735.51	605.34
125	47814+71.57	-105.00	1,135,341.31	2,443,746.19	605.26
126	47814+71.55	-123.65	1,135,336.90	2,443,764.31	604.29
127	47814+78.93	-131.16	1,135,327.84	2,443,769.82	604.01

FINAL
 DESIGNED: GNC 7/20/2015
 DRAWN: RSJ 7/20/2015
 REVIEWED: MAM 10/11/2016

FILE NAME = 06891.0179B-ahh-enlarged-pin-Rail-01.dgn	USER NAME = pop08275	DESIGNED - GNC	REVISED -
PLANI	PLLOT SCALE = 20.0000' / 1"	DRAWN - RSJ	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

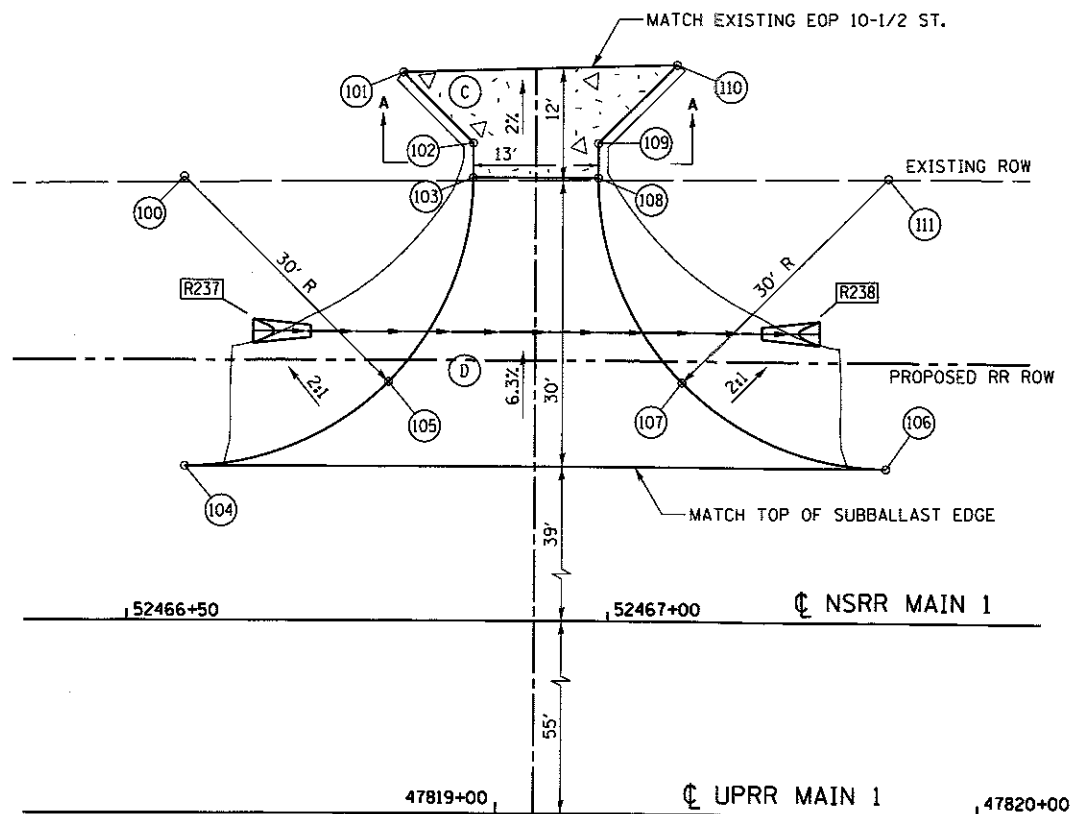
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS - 1
 SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

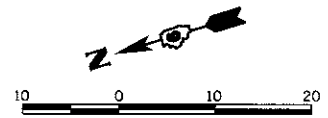
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	137
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



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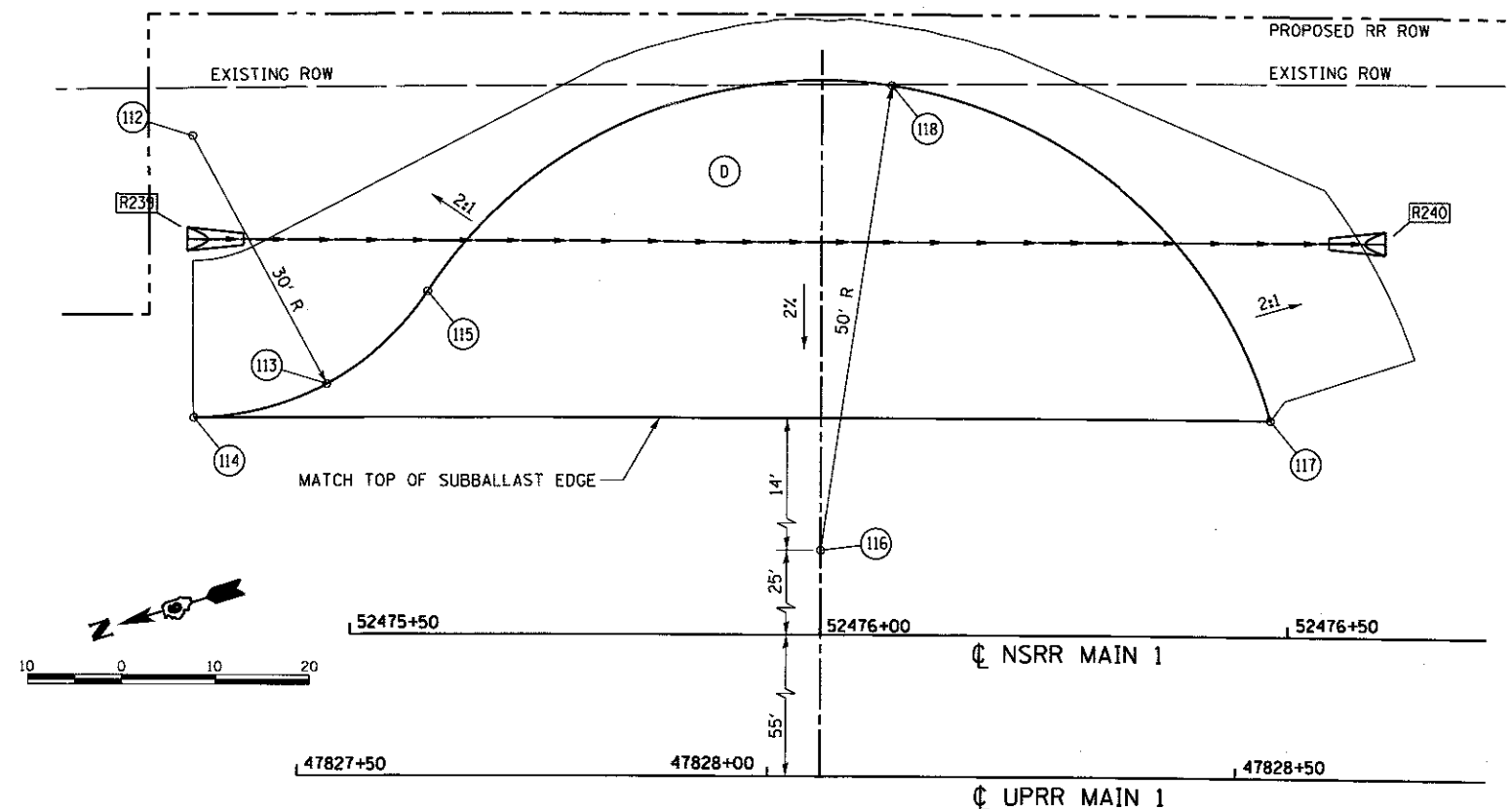


STA. 47819 + 03.93
N.T.S.

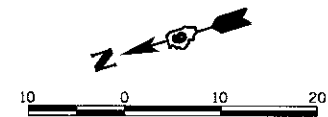


POINT #	STATION	OFFSET	NORTHING	EASTING	ELEV.
100	47818+67.97	-124.00	1,134,948.38	2,443,659.88	NA
101	47818+90.36	-134.82	1,134,923.50	2,443,663.78	603.23
102	47818+97.53	-127.52	1,134,918.62	2,443,654.70	603.36
103	47818+94.53	-123.92	1,134,919.65	2,443,651.25	603.45
104	47818+67.97	-94.00	1,134,956.89	2,443,631.11	605.34
105	47818+88.88	-102.77	1,134,934.11	2,443,633.49	604.40
106	47819+39.89	-94.00	1,134,887.22	2,443,610.19	605.34
107	47819+18.99	-102.77	1,134,904.92	2,443,624.73	604.40
108	47819+10.34	-123.92	1,134,907.20	2,443,647.51	603.45
109	47819+10.33	-127.52	1,134,906.16	2,443,650.96	603.36
110	47819+18.33	-135.67	1,134,896.04	2,443,656.41	603.19
111	47819+39.89	-124.00	1,134,878.47	2,443,638.89	NA

- NOTES**
- (A) SEE CROSS SECTION SHEETS FOR SECTION THRU ENTRANCES AND TURNAROUNDS.
 - (B) SEE FENCING PLANS FOR FENCE AND GATE LOCATIONS.
 - (C) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH.
 - (D) SUBBALLAST, 12 INCH.



STA. 47828 + 05.61
N.T.S.



POINT #	STATION	OFFSET	NORTHING	EASTING	ELEV.
112	47827+39.61	-124.00	1,134,114.72	2,443,364.98	NA
113	47827+53.62	-97.57	1,134,111.74	2,443,335.13	605.27
114	47827+39.61	-94.00	1,134,126.20	2,443,337.26	605.34
115	47827+64.28	-107.44	1,134,097.98	2,443,340.08	605.07
116	47828+05.61	-80.00	1,134,070.09	2,443,298.59	NA
117	47828+53.11	-94.00	1,134,020.45	2,443,292.62	605.33
118	47828+12.91	-129.45	1,134,043.98	2,443,341.23	604.63

FINAL
DESIGNED: GNC 7/20/2016
DRAWN: RSJ 7/20/2016
REVIEWED: MNM 10/17/2016

FILE NAME = D609L01798-shr-enlarged-plan-Rail-01.dgn	USER NAME = pop0275	DESIGNED - GNC	REVISED -
PLANT	PLLOT SCALE = 28.0000' / in.	DRAWN - RSJ	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

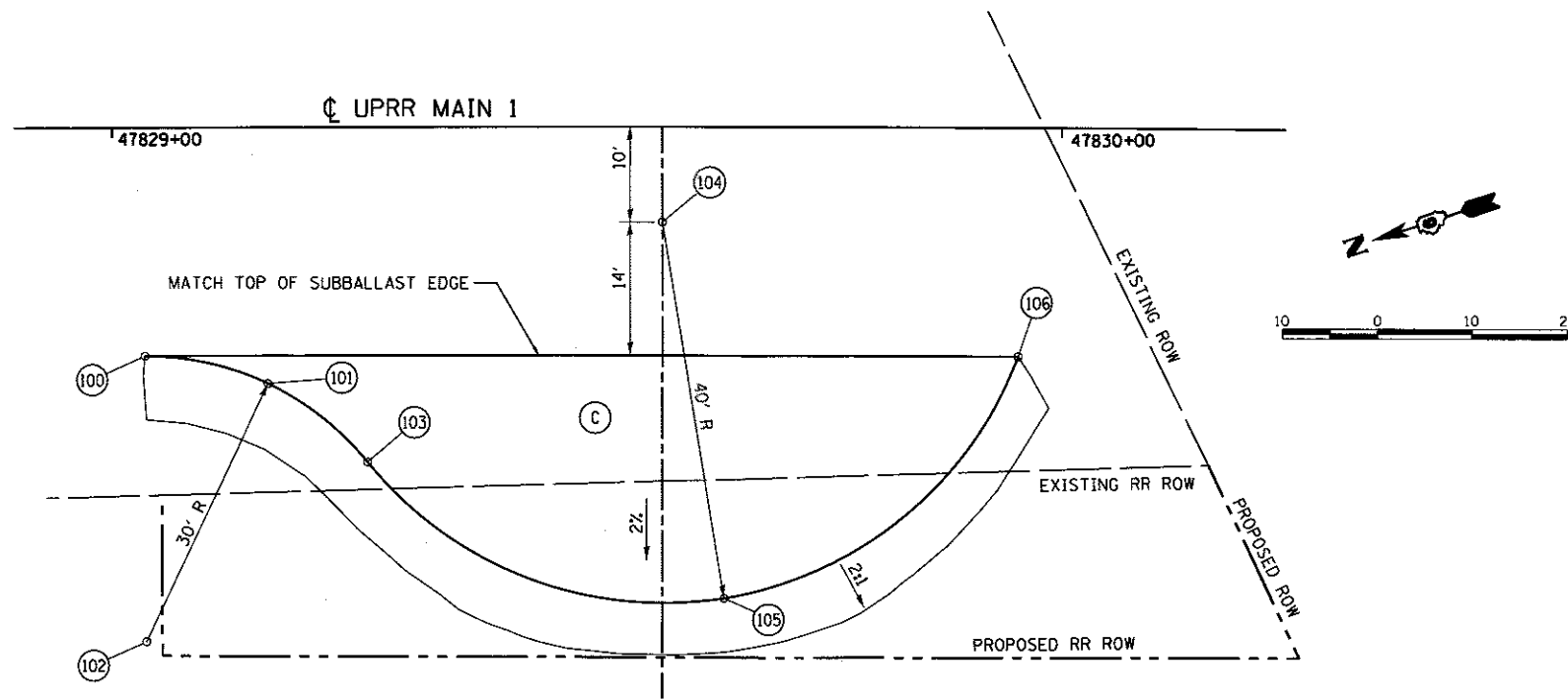
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS - 2

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

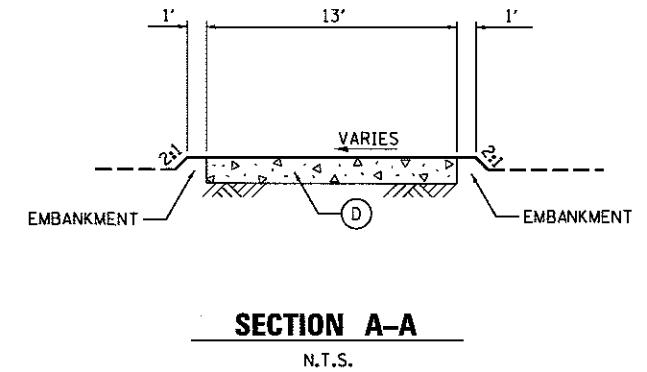
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	138
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



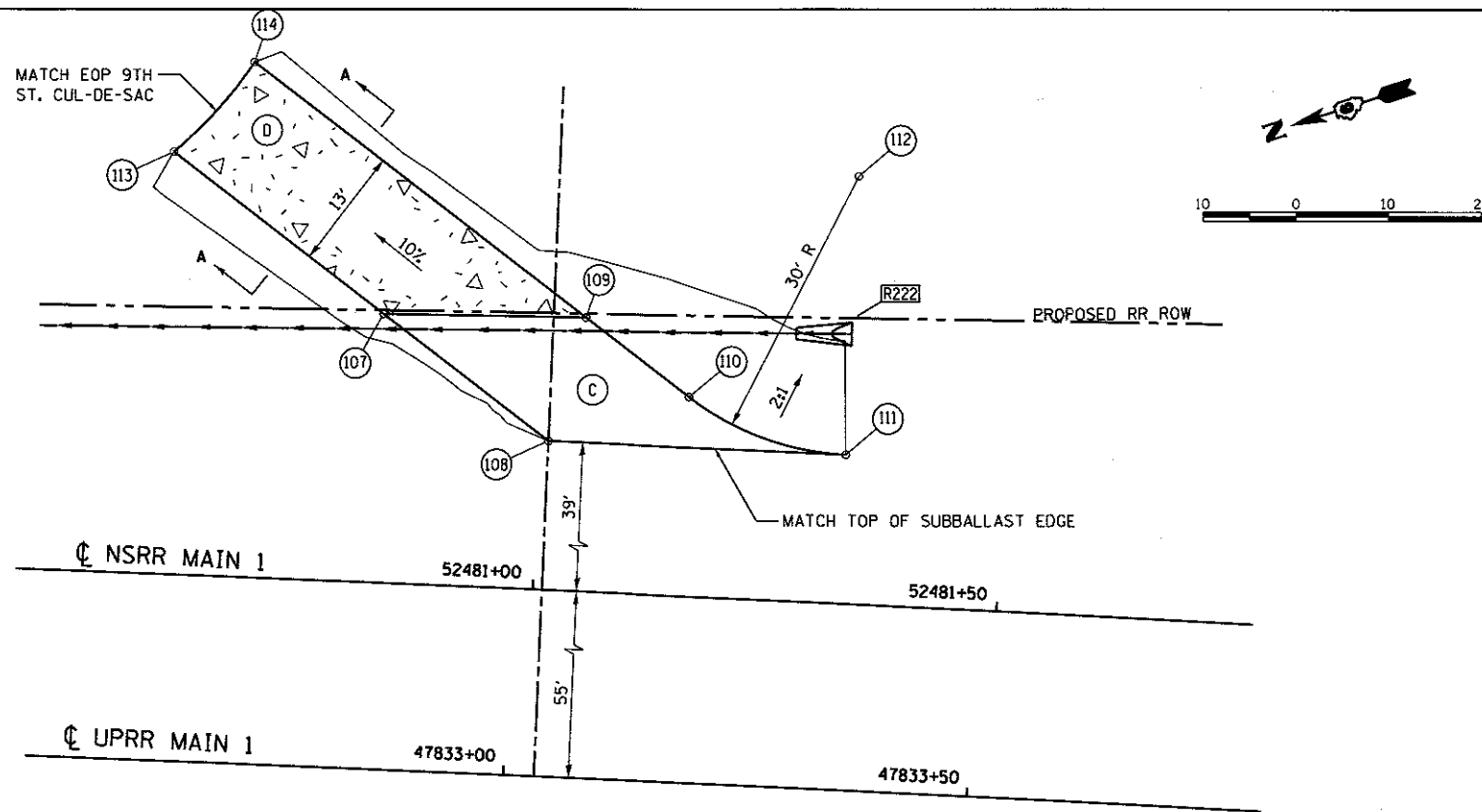
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STA. 47829 + 57.97
N.T.S.



SECTION A-A
N.T.S.



STA. 47833 + 03.29
N.T.S.

NOTES

- (A) SEE CROSS SECTION SHEETS FOR SECTION THRU ENTRANCES AND TURNAROUNDS.
- (B) SEE FENCING PLANS FOR FENCE LOCATIONS.
- (C) SUBBALLAST, 12 INCH.
- (D) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH.

POINT #	STATION	OFFSET	NORTHING	EASTING	ELEV.
100	47829+03.32	24.00	1,134,021.16	2,443,164.30	605.37
101	47829+16.33	26.94	1,134,010.46	2,443,156.40	605.31
102	47829+03.32	54.00	1,134,033.18	2,443,136.82	NA
103	47829+26.81	35.19	1,134,004.22	2,443,144.65	605.15
104	47829+57.97	10.00	1,133,965.61	2,443,155.09	NA
105	47829+64.44	49.48	1,133,975.79	2,443,116.40	604.86
106	47829+95.52	24.00	1,133,937.14	2,443,126.99	605.37
107	47832+85.19	-106.94	1,133,618.00	2,443,121.13	603.12
108	47833+03.29	-94.00	1,133,607.32	2,443,101.40	605.34
109	47833+06.73	-107.45	1,133,598.22	2,443,111.90	604.61
110	47833+17.98	-99.43	1,133,591.59	2,443,099.65	605.23
111	47833+34.97	-94.00	1,133,578.65	2,443,087.10	605.34
112	47833+34.97	-124.00	1,133,565.21	2,443,113.93	NA
113	47832+62.23	-123.49	1,133,631.59	2,443,146.25	600.25
114	47832+70.44	-133.51	1,133,619.69	2,443,151.57	600.25

FINAL
DESIGNED: GNC 7/20/2015
DRAWN: RSJ 7/20/2015
REVIEWED: MNM 10/17/2016

FILE NAME = 0609L01798-shs-enlarged-plan-Rail-01.dgn	USER NAME = pop00275	DESIGNED - GNC	REVISED -
PLN03	PLLOT SCALE = 20.0000' / in.	DRAWN - RSJ	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

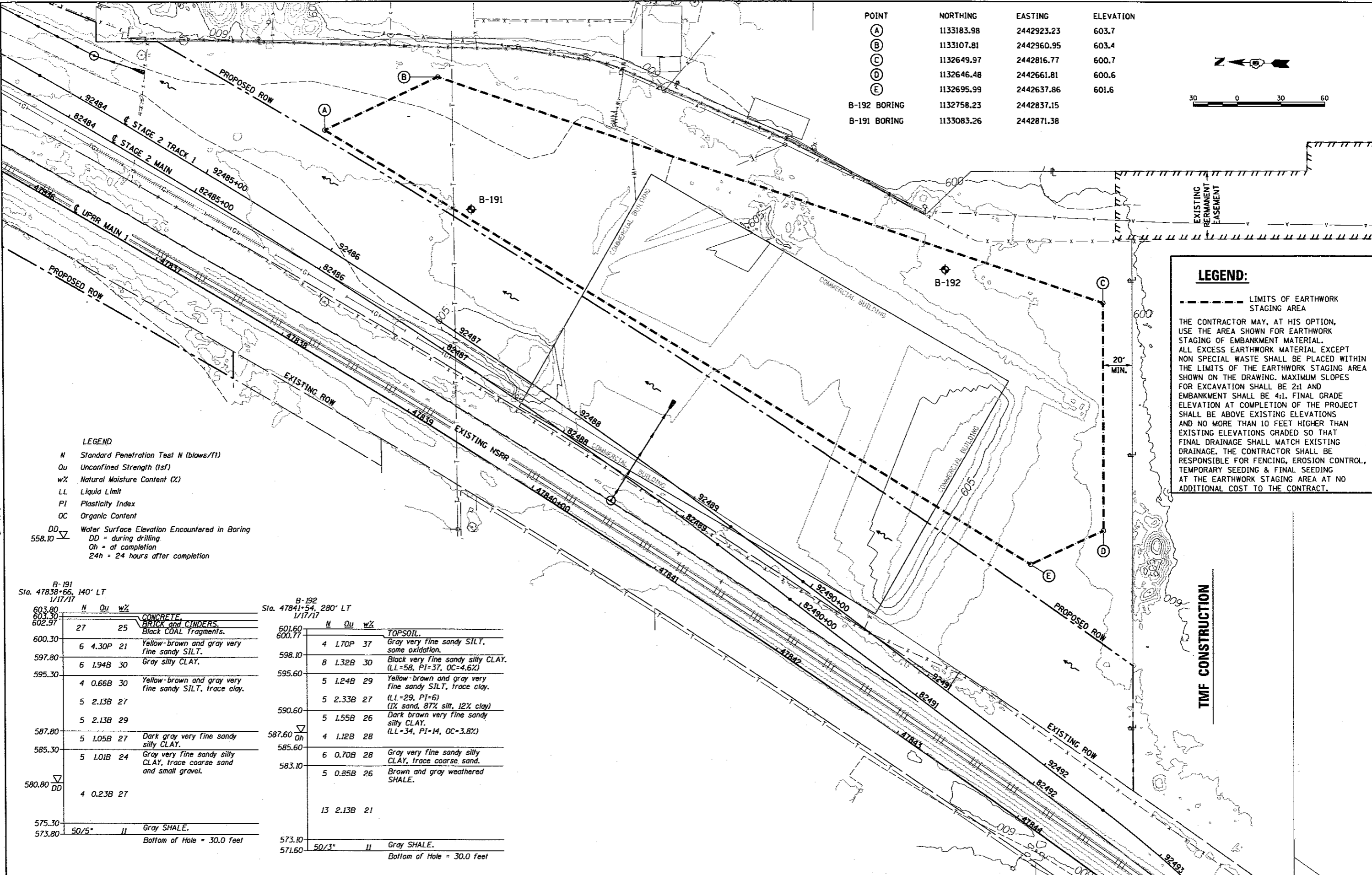
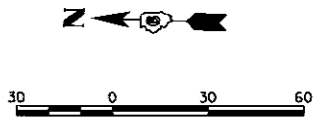
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS - 3
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	139
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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POINT	NORTHING	EASTING	ELEVATION
(A)	1133183.98	2442923.23	603.7
(B)	1133107.81	2442960.95	603.4
(C)	1132649.97	2442816.77	600.7
(D)	1132646.48	2442661.81	600.6
(E)	1132695.99	2442637.86	601.6
B-192 BORING	1132758.23	2442837.15	
B-191 BORING	1133083.26	2442871.38	



LEGEND:

--- LIMITS OF EARTHWORK STAGING AREA

THE CONTRACTOR MAY, AT HIS OPTION, USE THE AREA SHOWN FOR EARTHWORK STAGING OF EMBANKMENT MATERIAL. ALL EXCESS EARTHWORK MATERIAL EXCEPT NON SPECIAL WASTE SHALL BE PLACED WITHIN THE LIMITS OF THE EARTHWORK STAGING AREA SHOWN ON THE DRAWING. MAXIMUM SLOPES FOR EXCAVATION SHALL BE 2:1 AND EMBANKMENT SHALL BE 4:1. FINAL GRADE ELEVATION AT COMPLETION OF THE PROJECT SHALL BE ABOVE EXISTING ELEVATIONS AND NO MORE THAN 10 FEET HIGHER THAN EXISTING ELEVATIONS GRADED SO THAT FINAL DRAINAGE SHALL MATCH EXISTING DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FENCING, EROSION CONTROL, TEMPORARY SEEDING & FINAL SEEDING AT THE EARTHWORK STAGING AREA AT NO ADDITIONAL COST TO THE CONTRACT.

TMF CONSTRUCTION

LEGEND

N Standard Penetration Test N (blows/ft)
 Qu Unconfined Strength (tsf)
 w% Natural Moisture Content (%)
 LL Liquid Limit
 PI Plasticity Index
 OC Organic Content
 DD Water Surface Elevation Encountered in Boring
 DD = during drilling
 Oh = at completion
 24h = 24 hours after completion

B-191
Sta. 47838+66, 140' LT
1/17/17

ELEVATION	N	Qu	w%	DESCRIPTION
603.80				CONCRETE.
603.30				BRICK and CINDERS.
602.97	27	25		Black COAL Fragments.
600.30	6	4.30P	21	Yellow-brown and gray very fine sandy SILT.
597.80	6	1.94B	30	Gray silty CLAY.
595.30	4	0.66B	30	Yellow-brown and gray very fine sandy SILT, trace clay.
	5	2.13B	27	
	5	2.13B	29	
587.80	5	1.05B	27	Dark gray very fine sandy silty CLAY.
585.30	5	1.01B	24	Gray very fine sandy silty CLAY, trace coarse sand and small gravel.
580.80	4	0.23B	27	
575.30				Gray SHALE.
573.80	50/5*			Bottom of Hole = 30.0 feet

B-192
Sta. 47841+54, 280' LT
1/17/17

ELEVATION	N	Qu	w%	DESCRIPTION
601.60				TOPSOIL.
600.77	4	1.70P	37	Gray very fine sandy SILT, some oxidation.
598.10	8	1.32B	30	Black very fine sandy silty CLAY. (LL=58, PI=37, OC=4.6%)
595.60	5	1.24B	29	Yellow-brown and gray very fine sandy SILT, trace clay. (LL=29, PI=6)
	5	2.33B	27	(1% sand, 87% silt, 12% clay)
590.60	5	1.55B	26	Dark brown very fine sandy silty CLAY. (LL=34, PI=14, OC=3.8%)
587.60	4	1.12B	28	
585.60	6	0.70B	28	Gray very fine sandy silty CLAY, trace coarse sand.
583.10	5	0.85B	26	Brown and gray weathered SHALE.
	13	2.13B	21	
573.10	50/3*			Gray SHALE.
571.60				Bottom of Hole = 30.0 feet

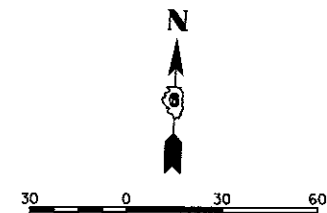
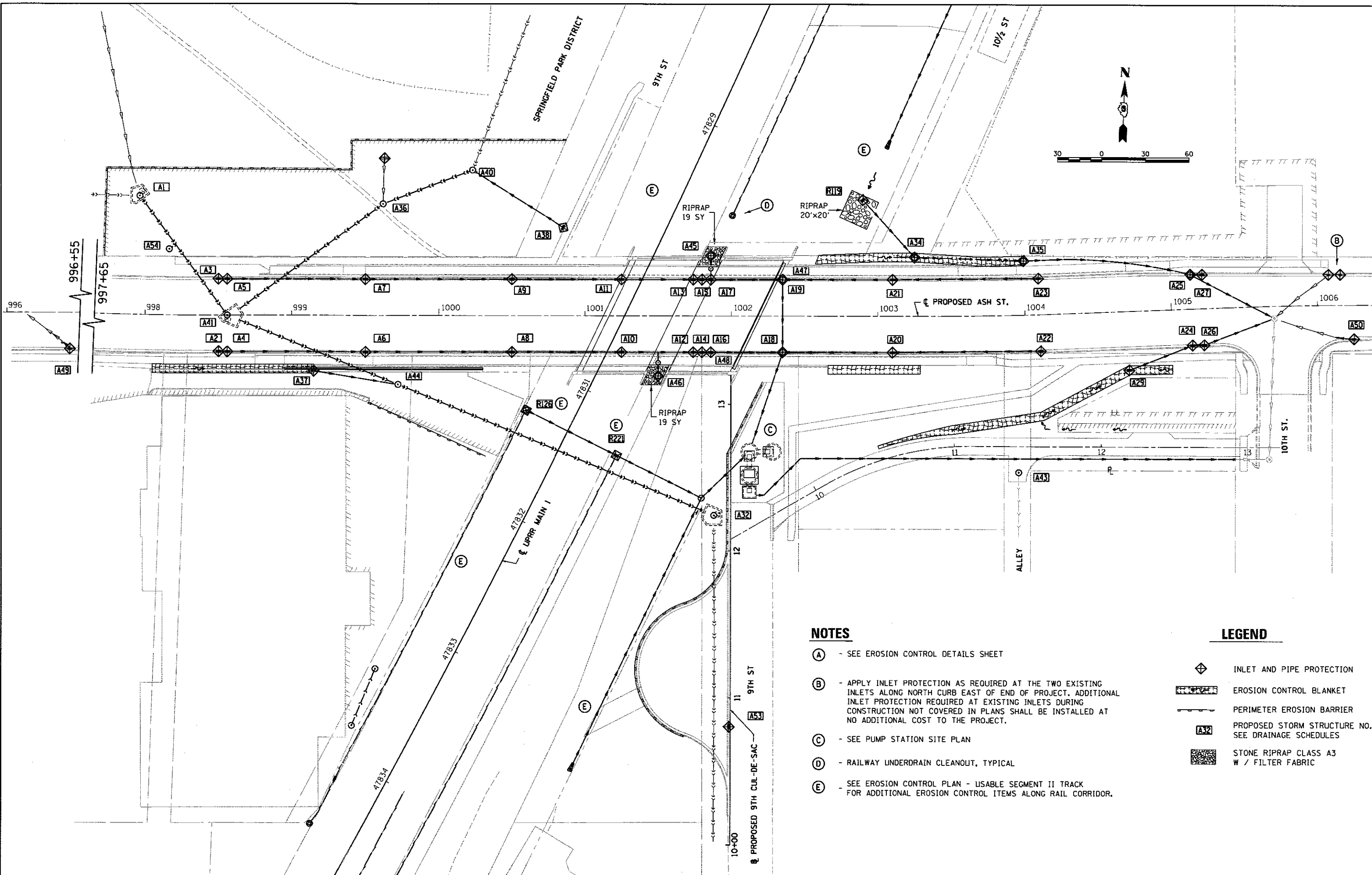
FINAL
 DESIGNED: JWM 7/20/2015
 DRAWN: CLG 7/20/2015
 REVIEWED: JMM 10/11/2016

FILE NAME = D:\891\01798-sh-t-EARTHWORK_STAGING_AREA.dgn	USER NAME = Johns02944	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS EARTHWORK STAGING AREA	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLANT	PLOT SCALE = 60,0000' / 1"	DRAWN - CLG	REVISED -			14-00477-00-BR	SANGAMON	403	140	
	PLOT DATE = 5/26/2017	CHECKED - JWM/JMM	REVISED -			09L0179B			CONTRACT NO. 93704	
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



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NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - APPLY INLET PROTECTION AS REQUIRED AT THE TWO EXISTING INLETS ALONG NORTH CURB EAST OF END OF PROJECT. ADDITIONAL INLET PROTECTION REQUIRED AT EXISTING INLETS DURING CONSTRUCTION NOT COVERED IN PLANS SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE PROJECT.
- (C) - SEE PUMP STATION SITE PLAN
- (D) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (E) - SEE EROSION CONTROL PLAN - USABLE SEGMENT II TRACK FOR ADDITIONAL EROSION CONTROL ITEMS ALONG RAIL CORRIDOR.

LEGEND

- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
- STONE RIPRAP CLASS A3 W / FILTER FABRIC

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG 7/20/2015
REVIEWED: MNM 10/11/2015

FILE NAME : 0609L0179B-shr-eros-AS-110-01.dgn	USER NAME : pop00275	DESIGNED - JWM	REVISED -
PLANT	PLLOT SCALE = 60.0000' / 1"	DRAWN - CLG	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

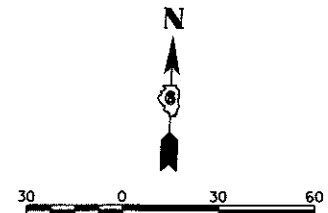
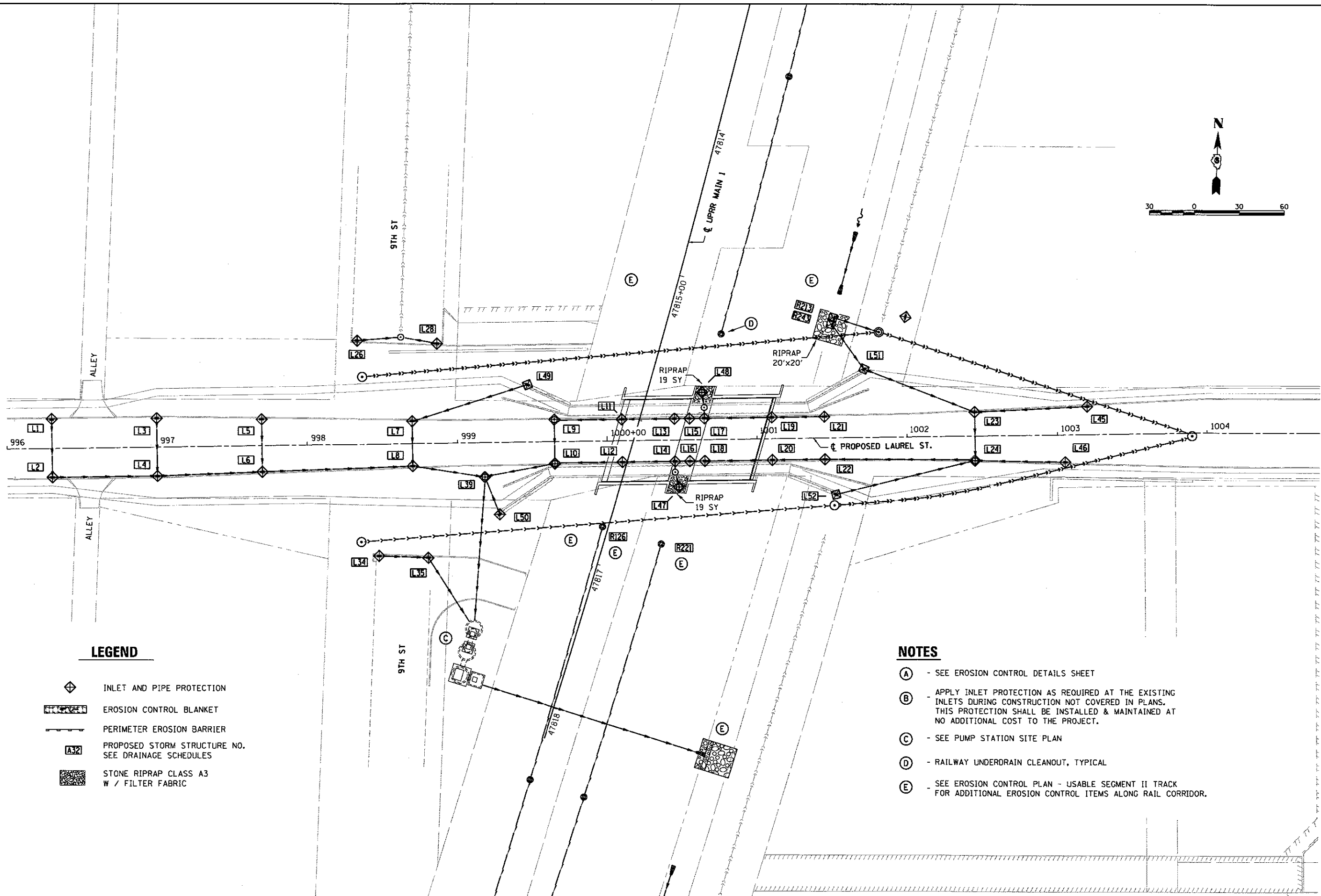
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - ASH STREET**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.






F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	141
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



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LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3 W / FILTER FABRIC

NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - APPLY INLET PROTECTION AS REQUIRED AT THE EXISTING INLETS DURING CONSTRUCTION NOT COVERED IN PLANS. THIS PROTECTION SHALL BE INSTALLED & MAINTAINED AT NO ADDITIONAL COST TO THE PROJECT.
- (C) - SEE PUMP STATION SITE PLAN
- (D) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (E) - SEE EROSION CONTROL PLAN - USABLE SEGMENT II TRACK FOR ADDITIONAL EROSION CONTROL ITEMS ALONG RAIL CORRIDOR.

FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/17/2015

FILE NAME = D609L01798-ahf-aros-LAU-001	USER NAME = pop0275	DESIGNED - JWM	REVISED -
PLANT	PLLOT SCALE = 60.0000' / 1" =	DRAWN - CLG	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

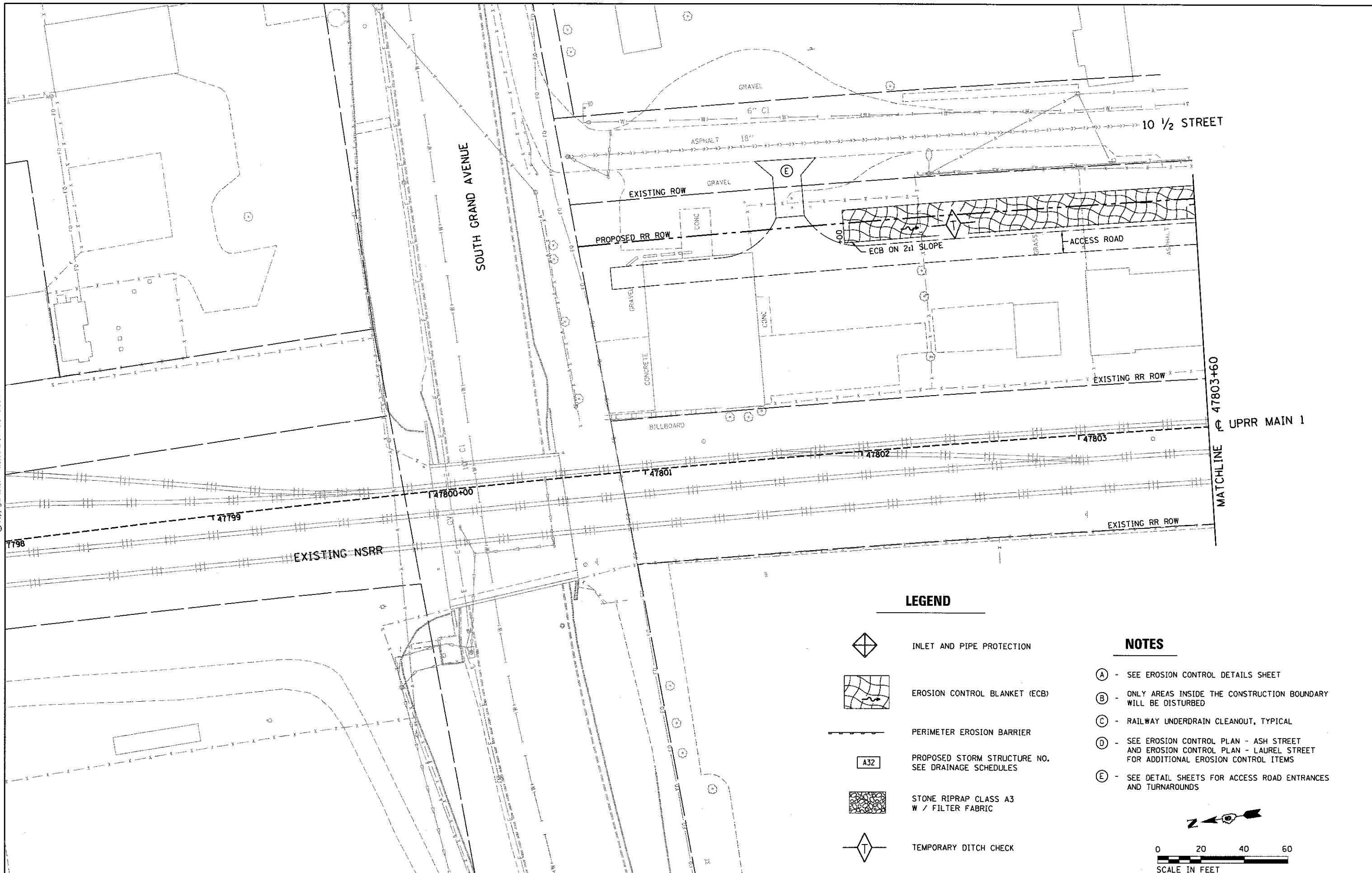
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - LAUREL STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	09L01798		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				







SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



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LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  A32 PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3 W / FILTER FABRIC
-  TEMPORARY DITCH CHECK

NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



FINAL
 DESIGNED - DJP 10/1/2015
 DRAWN - DJP 10/17/2015
 REVIEWED - JWM/MNM 07/17/2016

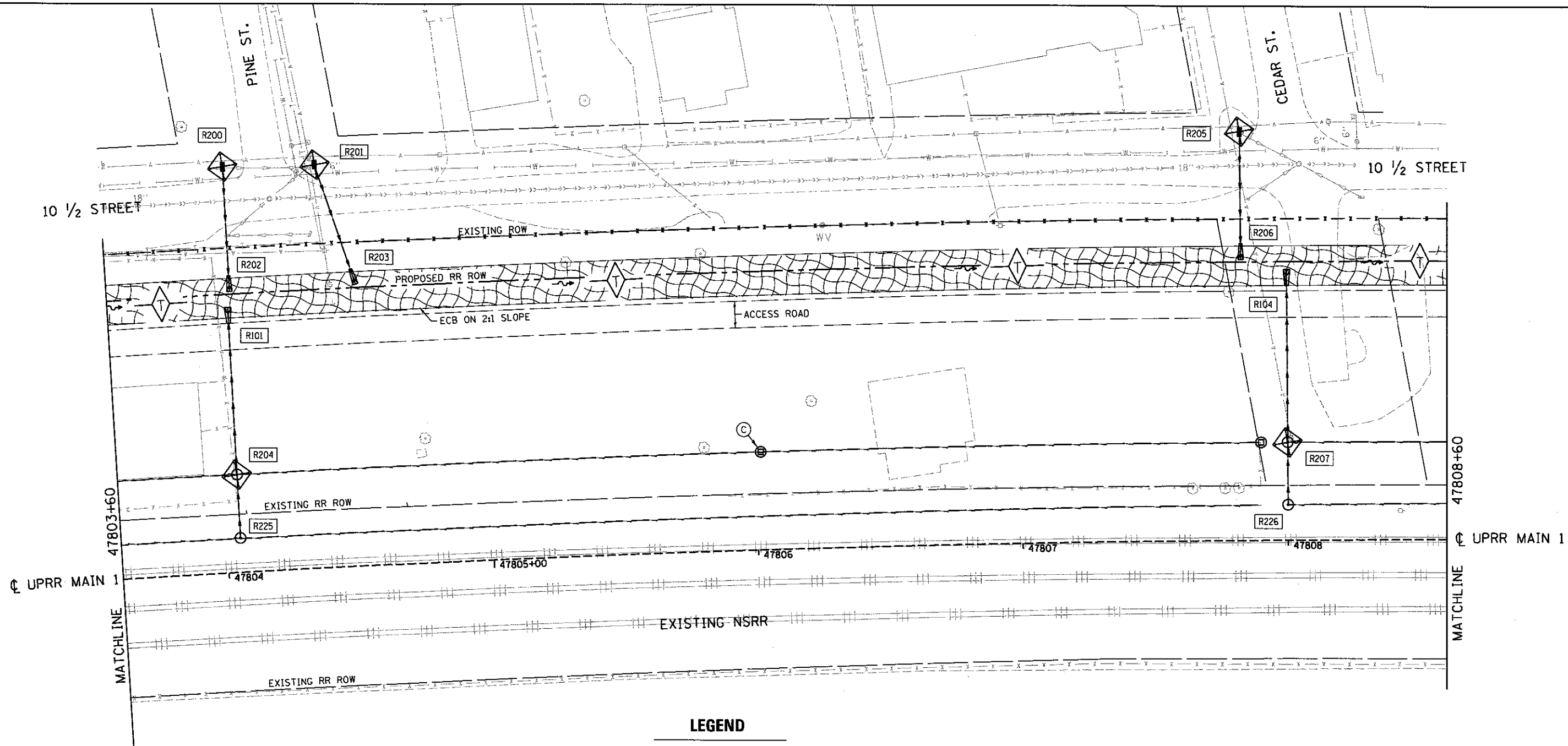
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	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION







SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 1

SCALE: SHEET 1 OF 10 SHEETS STA. 47797+40 TO STA. 47803+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	143
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. A32 SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3 W / FILTER FABRIC
-  TEMPORARY DITCH CHECK

NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



FINAL
DESIGNED: DJP 10/17/2015
DRAWN: DJP 10/17/2015
REVIEWED: JWM/MNM 10/17/2015

FILE NAME =	USER NAME = pap00275	DESIGNED - JWM	REVISED -
D689L0179B-Plan-US2-TRACK_ER0-2.dgn		DRAWN - DJP/CLG	REVISED -
	PLOT SCALE = 48.00' / in.	CHECKED - JWM/MNM	REVISED -
M2	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

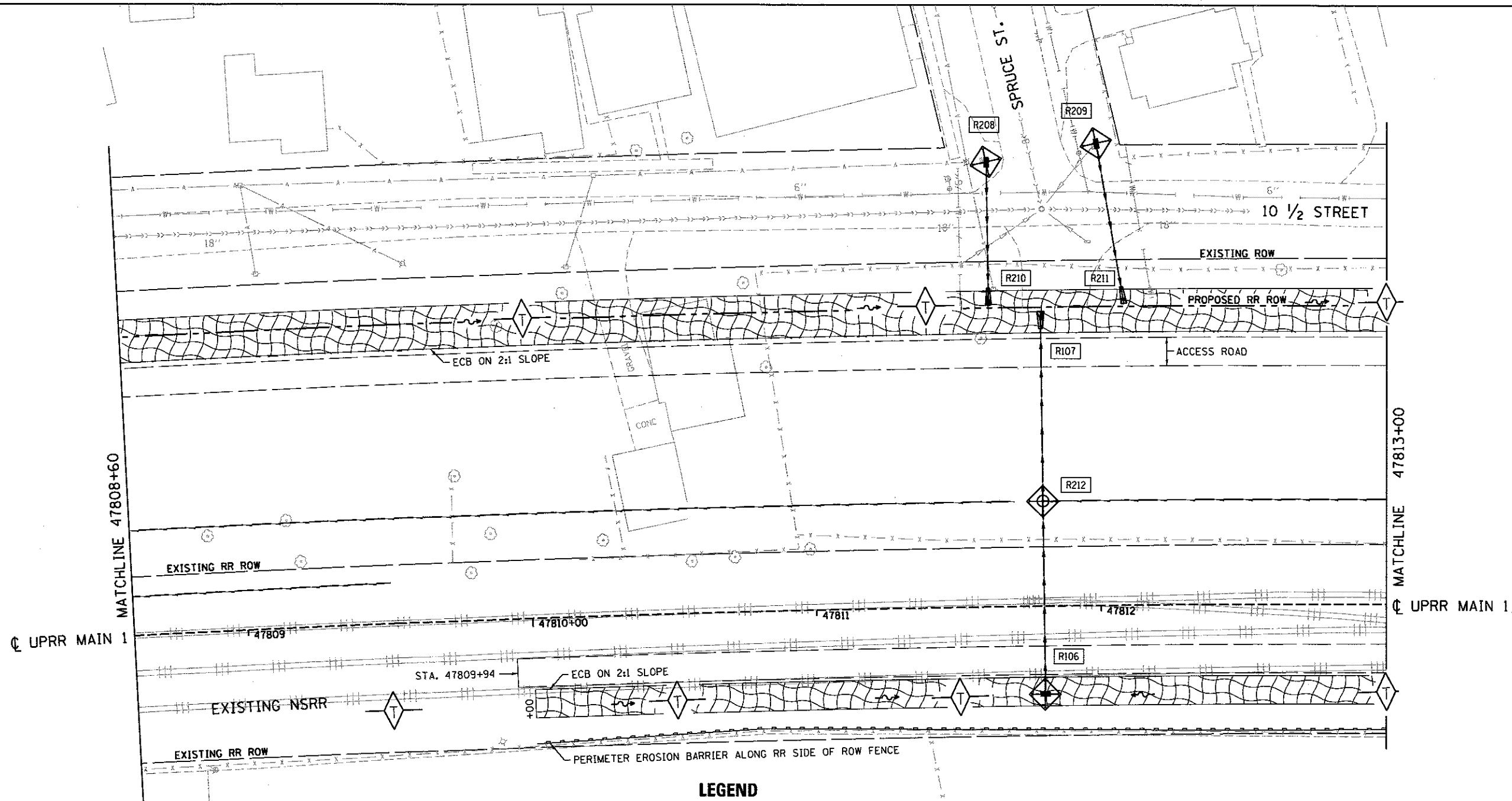
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 2

SCALE: SHEET 2 OF 10 SHEETS STA. 47802+80 TO STA. 47808+10







F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	144
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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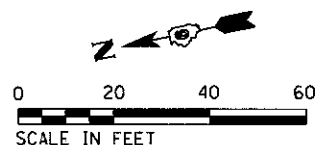


LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. A32
SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3
W / FILTER FABRIC
-  TEMPORARY DITCH CHECK

NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



FINAL
 DESIGNED - DJP 10/1/2015
 DRAWN - DJP 10/17/2015
 REVIEWED - JWM/MNM 10/17/2015

FILE NAME =	USER NAME = pop08275	DESIGNED - JWM	REVISED -
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M3	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 3
 SCALE: SHEET 3 OF 10 SHEETS STA. 47808+10 TO STA. 47813+00

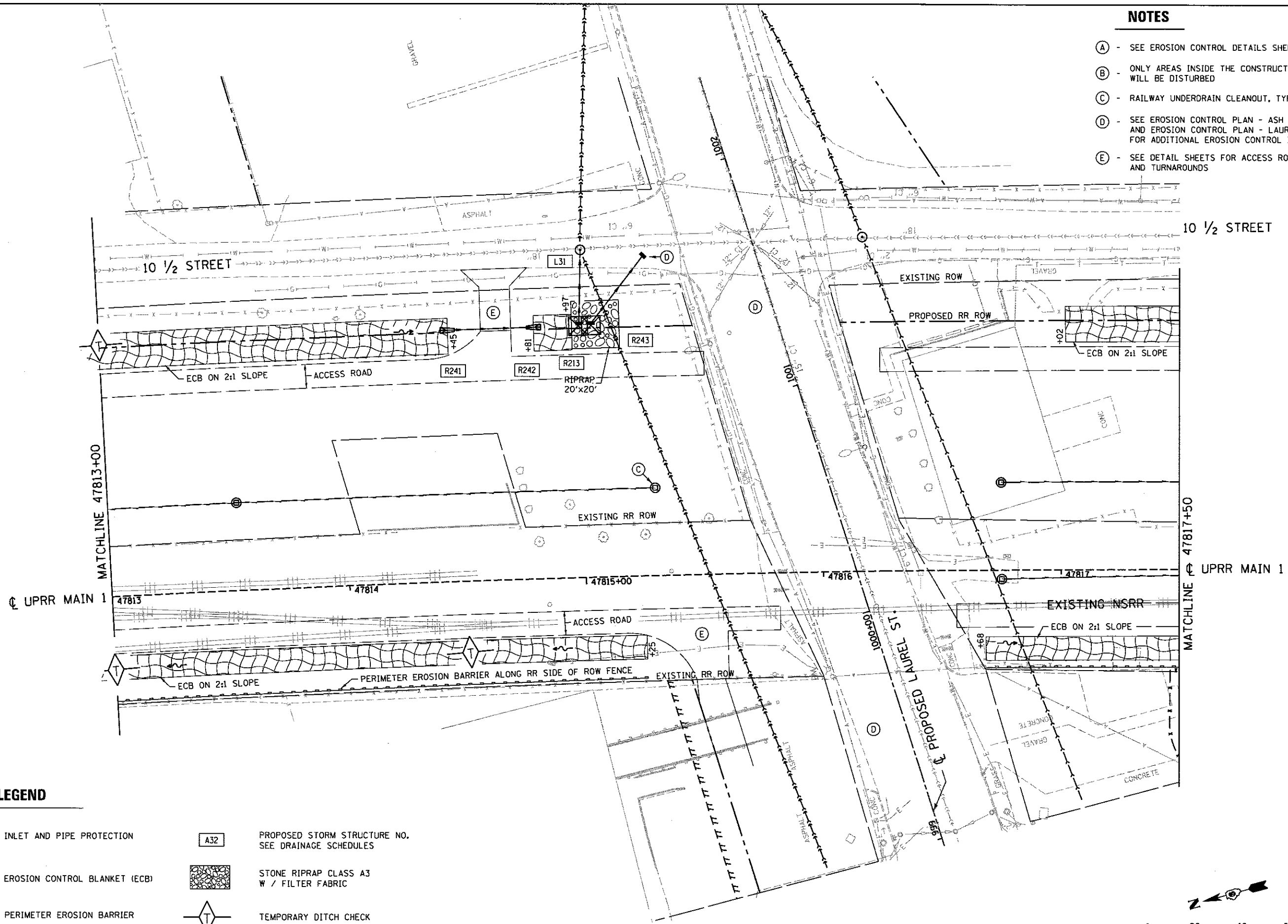
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	145
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



LEGEND

- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET (ECB)
- PERIMETER EROSION BARRIER
- PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
- STONE RIPRAP CLASS A3 W / FILTER FABRIC
- TEMPORARY DITCH CHECK



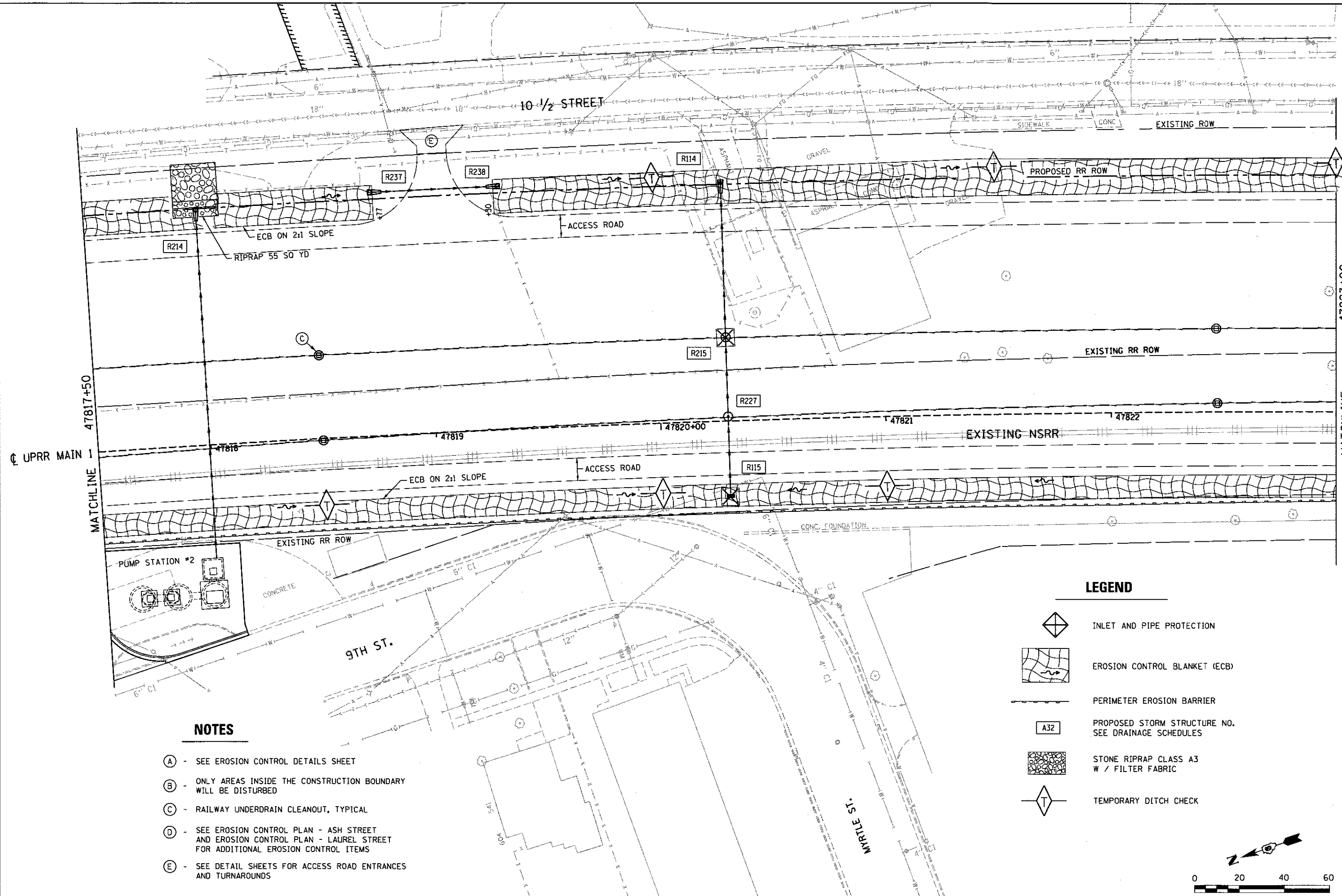
FINAL
 DESIGNED - DJP 10/1/2015
 DRAWN - DJP 10/17/2015
 REVIEWED - JWM/MNM 07/17/2016

FILE NAME = D699L0179B-Plan-152-TRACK_ER0-4.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 4				
PLOT SCALE = 1/8"=1'-0"	CHECKED - JWM/MNM	REVISED -	SCALE: SHEET 4 OF 10 SHEETS STA. 47813+00 TO STA. 47817+50		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 2/24/2017	DATE -	REVISED -			14-00477-00-BR	SANGAMON	403	146	
					09L0179B				CONTRACT NO. 93704

ILLINOIS FED. AID PROJECT



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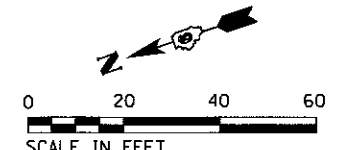


NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS

LEGEND

- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET (ECB)
- PERIMETER EROSION BARRIER
- PROPOSED STORM STRUCTURE NO. A32 SEE DRAINAGE SCHEDULES
- STONE RIPRAP CLASS A3 W / FILTER FABRIC
- TEMPORARY DITCH CHECK



FINAL
DESIGNED DJP 10/7/2015
DRAWN DJP 10/7/2015
REVIEWED JMM/MNM 10/7/2015

FILE NAME = D689L0179B-P1en-US2-TRACK_ERD-5.dgn	USER NAME = pap00275	DESIGNED - JWM	REVISED -
		DRAWN - DJP/CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -
PLOT SCALE = 48.0000' / 1" =			
PLOT DATE = 2/24/2017			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

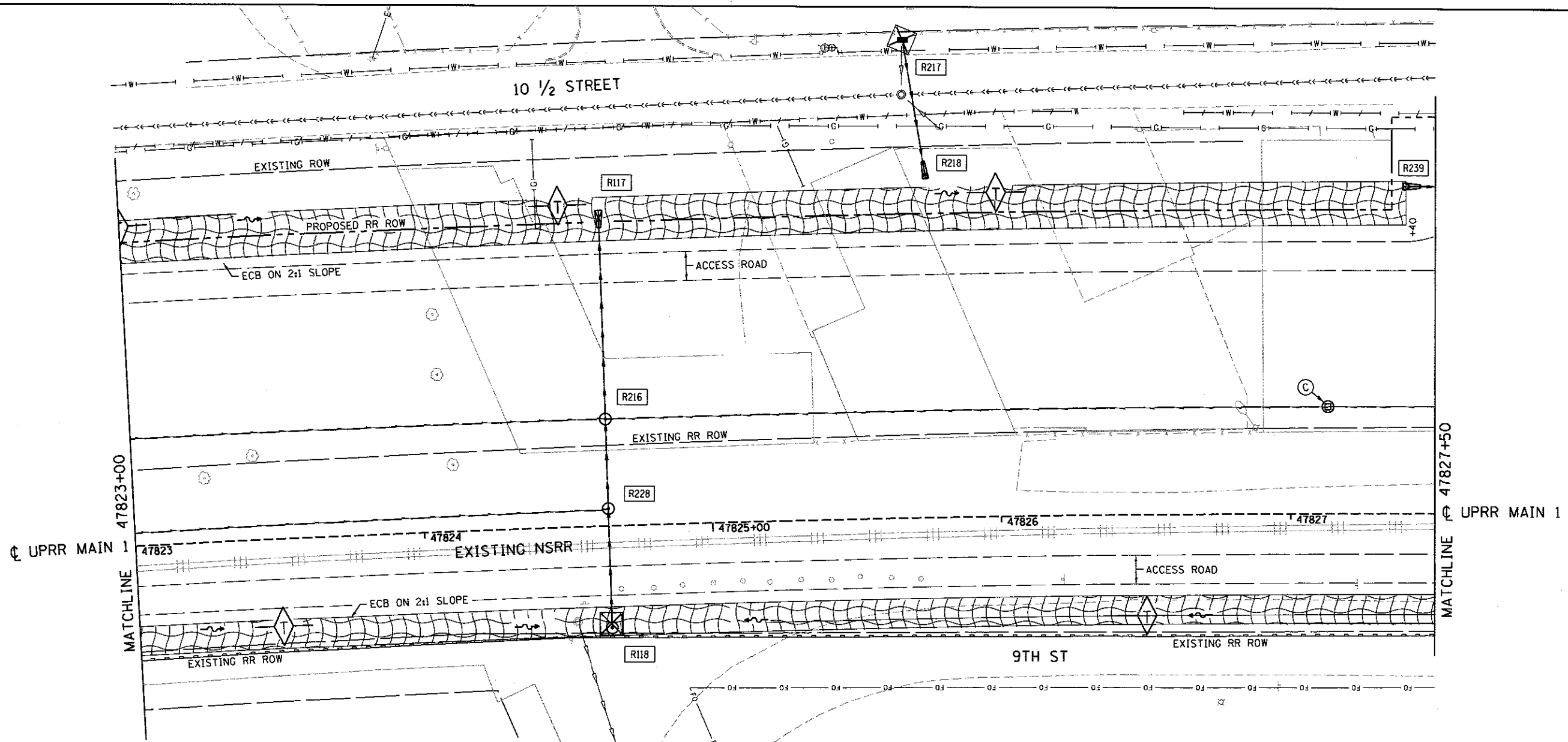
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 5**

SCALE: SHEET 5 OF 10 SHEETS STA. 47817+50 TO STA. 47823+00







F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	147
09L0179B			CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



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LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. A32
SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3
W / FILTER FABRIC
-  TEMPORARY DITCH CHECK

NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



0 20 40 60

SCALE IN FEET

FINAL
DESIGNED 10/1/2015
DRAWN 10/1/2015
REVIEWED JMW/MNM/11/2015

FILE NAME = 0609L01798-P1an-US2-TRACK.ERD-S.dgn	USER NAME = pop00275	DESIGNED - JWN	REVISED -
		DRAWN - DJP/CLG	REVISED -
	PLOT SCALE = 40.00' / in.	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 6

SCALE: SHEET 6 OF 10 SHEETS STA. 47823+00 TO STA. 47827+50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	148
	09L01798			CONTRACT NO. 93704

ILLINOIS FED. AID PROJECT



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10 1/2 STREET

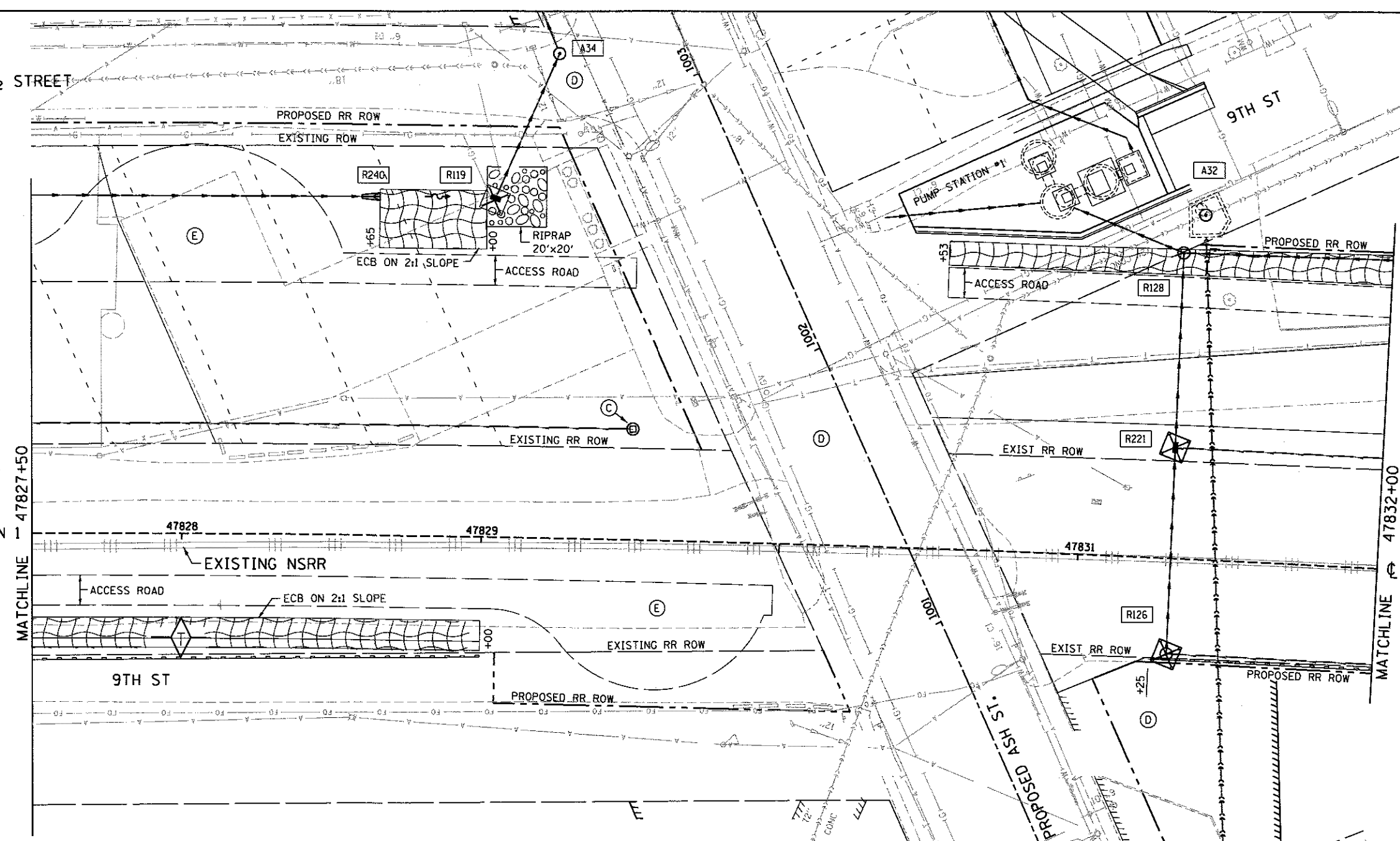
9TH ST

MATCHLINE 47827+50

MATCHLINE 47832+00

UPRR MAIN 1

UPRR MAIN 1

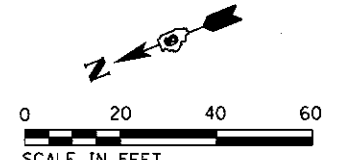


NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS

LEGEND

- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET (ECB)
- PERIMETER EROSION BARRIER
- PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
- STONE RIPRAP CLASS A3 W / FILTER FABRIC
- TEMPORARY DITCH CHECK



FINAL
DESIGNED DJP 10/1/2015
DRAWN DJP 10/17/2015
REVIEWED JMM/MNM 10/17/2015

FILE NAME = 0609L0179B-Plan-US2-TRACK.ERD-7.dgn	USER NAME = pop80275	DESIGNED - JWM	REVISED -
		DRAWN - DJP/CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

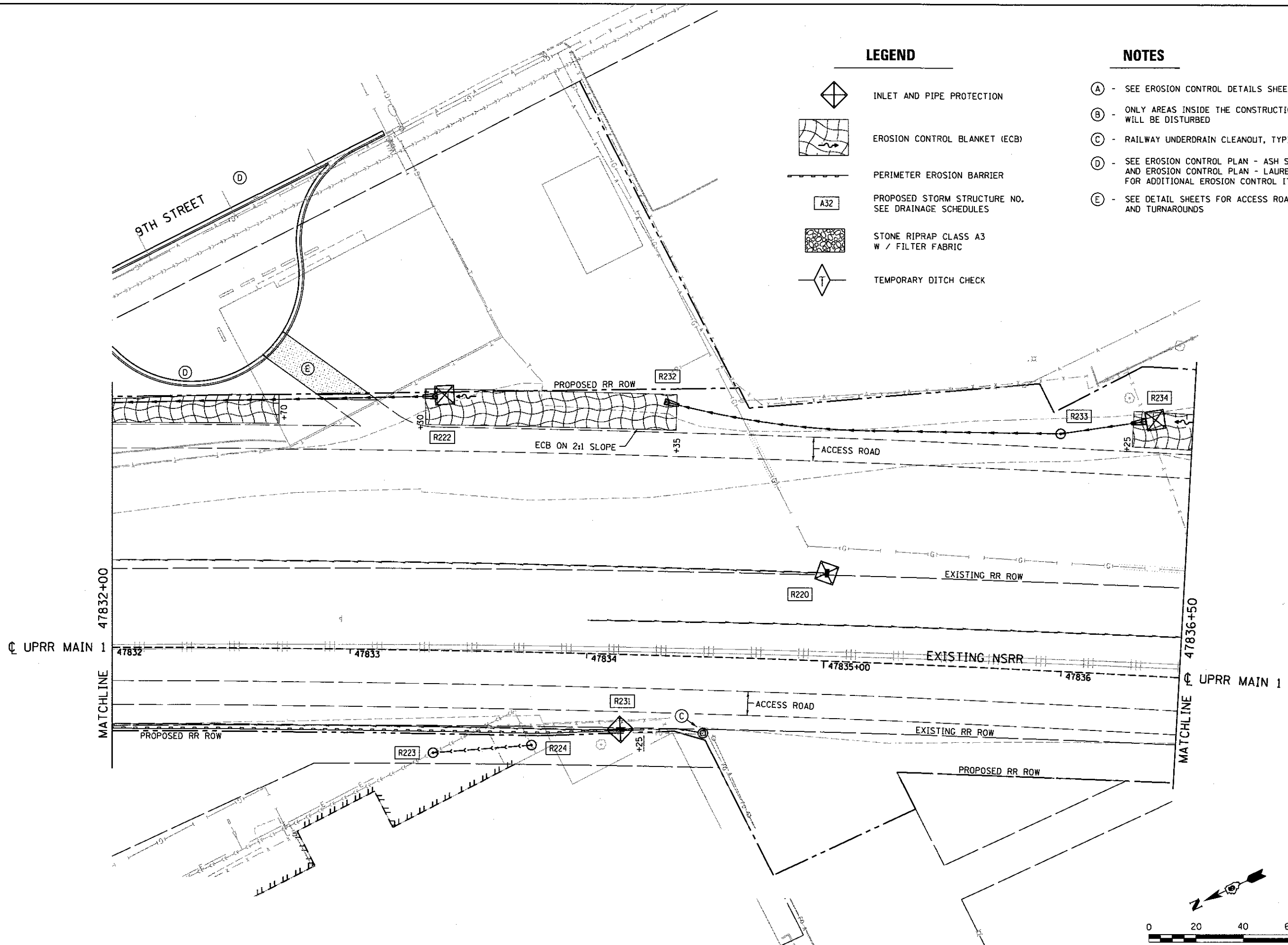
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 7

SCALE: SHEET 7 OF 10 SHEETS STA. 47827+50 TO STA. 47832+00







F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	149
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3 W / FILTER FABRIC
-  TEMPORARY DITCH CHECK

NOTES

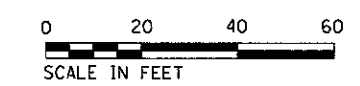
- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS

MATCHLINE 47832+00

MATCHLINE 47836+50

UPRR MAIN 1

UPRR MAIN 1



FINAL
 DESIGNED - DJP 10/17/2015
 DRAWN - DJP 10/17/2015
 REVIEWED - JMM/MNM 10/17/2015

FILE NAME = D609L0179B-Plan-US2-TRACK_ER0-8.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -
		DRAWN - DJP/CLG	REVISED -
PLOT SCALE = 48.00' / in.		CHECKED - JWM/MNM	REVISED -
PLOT DATE = 2/24/2017		DATE -	REVISED -







**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

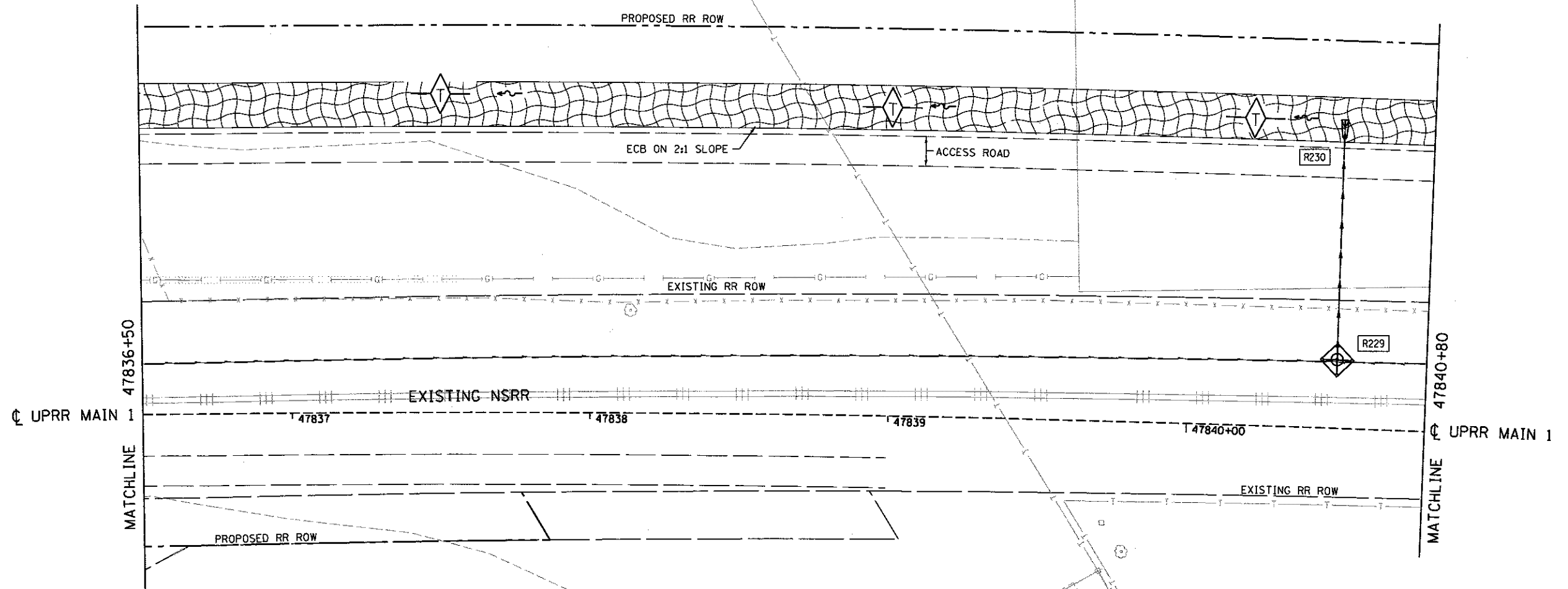
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 8**

SCALE: SHEET 8 OF 10 SHEETS STA. 47832+00 TO STA. 47836+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	150
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

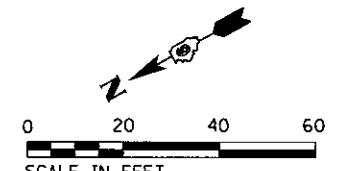
LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3 W / FILTER FABRIC
-  TEMPORARY DITCH CHECK



NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS



FINAL
 DESIGNED - DJP 10/1/2015
 DRAWN - DJP 10/17/2015
 REVIEWED - JMM/MNM 07/17/2016

FILE NAME = D609L0179B-Plan-US2-TRACK_ERO-9.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -
		DRAWN - DJP/CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -
PLOT SCALE = 40.00' / in.			
PLOT DATE = 2/24/2017			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 9
 SCALE: SHEET 9 OF 10 SHEETS STA. 47836+50 TO STA. 47840+80

F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	151
	09L0179B			CONTRACT NO. 93704

ILLINOIS FED. AID PROJECT









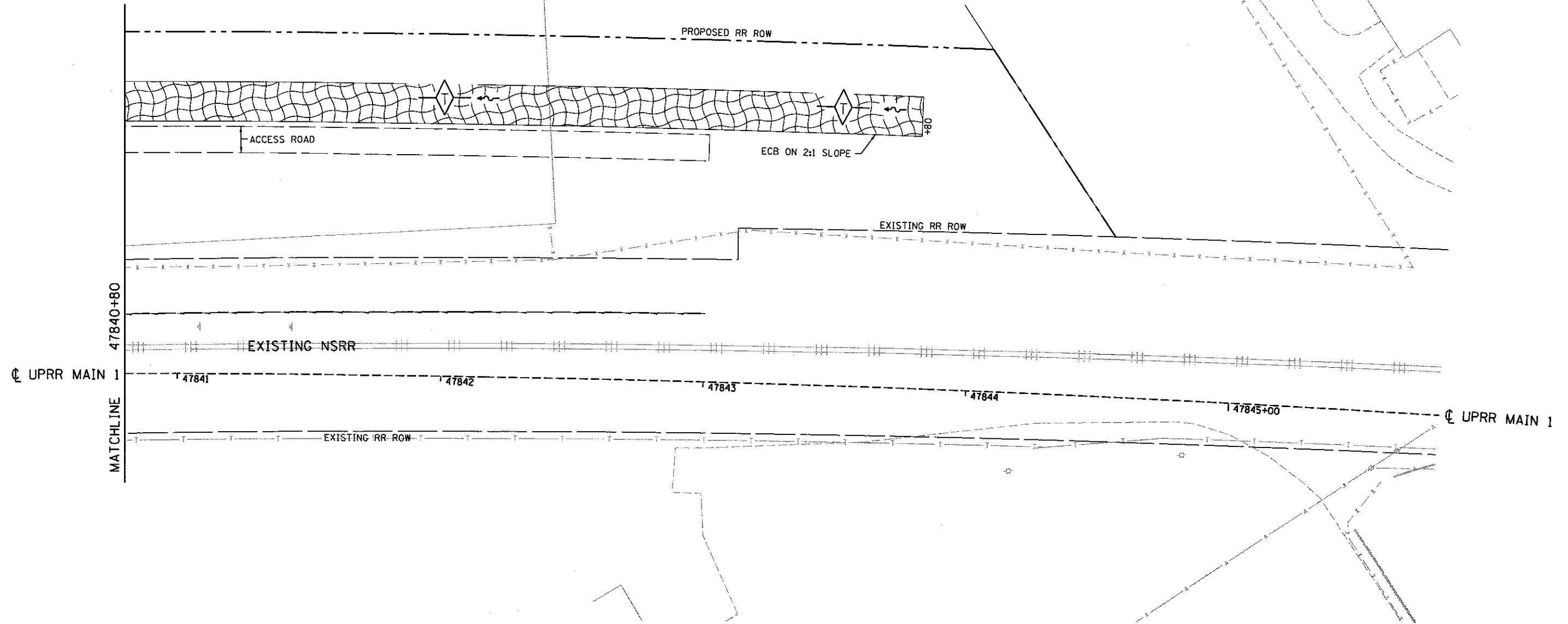
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NOTES

- (A) - SEE EROSION CONTROL DETAILS SHEET
- (B) - ONLY AREAS INSIDE THE CONSTRUCTION BOUNDARY WILL BE DISTURBED
- (C) - RAILWAY UNDERDRAIN CLEANOUT, TYPICAL
- (D) - SEE EROSION CONTROL PLAN - ASH STREET AND EROSION CONTROL PLAN - LAUREL STREET FOR ADDITIONAL EROSION CONTROL ITEMS
- (E) - SEE DETAIL SHEETS FOR ACCESS ROAD ENTRANCES AND TURNAROUNDS

LEGEND

-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET (ECB)
-  PERIMETER EROSION BARRIER
-  PROPOSED STORM STRUCTURE NO. A32
SEE DRAINAGE SCHEDULES
-  STONE RIPRAP CLASS A3
W / FILTER FABRIC
-  TEMPORARY DITCH CHECK



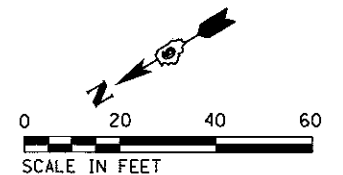
FINAL
 DESIGNED - D.P. 10/1/2015
 DRAWN - D.P. 10/1/2015
 REVIEWED - J.W.M./M.N.M. 10/1/2015

FILE NAME =	USER NAME = pop0275	DESIGNED - J.W.M.	REVISED -
D60%L01798-Plan-US2-TRACK_ERO-10.dgn		DRAWN - D.J.P./C.L.G.	REVISED -
	PLOT SCALE = 40.00' / 1" =	CHECKED - J.W.M./M.N.M.	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

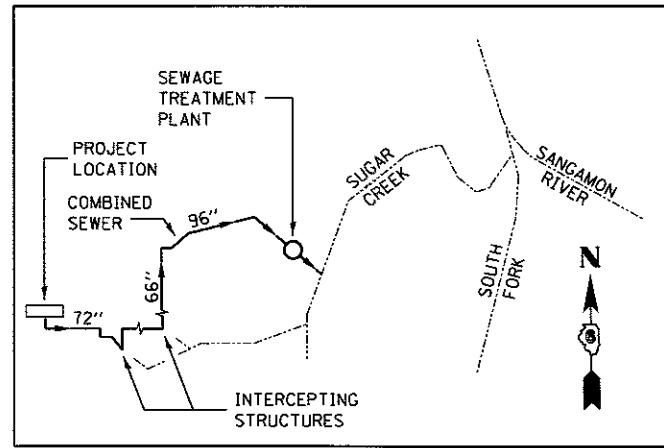
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 EROSION CONTROL PLAN - USABLE SEGMENT II TRACK - 10

SCALE: SHEET 10 OF 10 SHEETS STA. 47840+80 TO STA. 47844+00



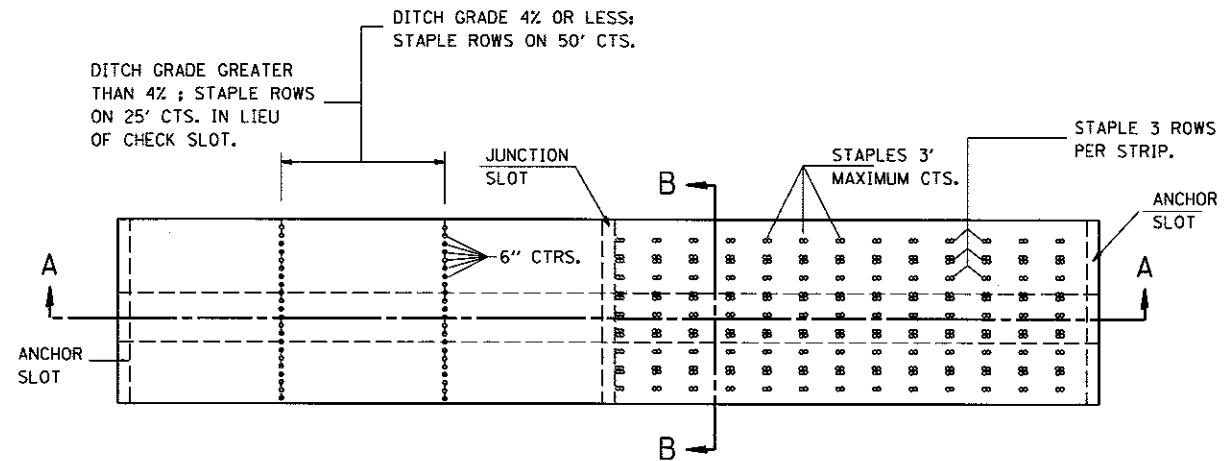
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



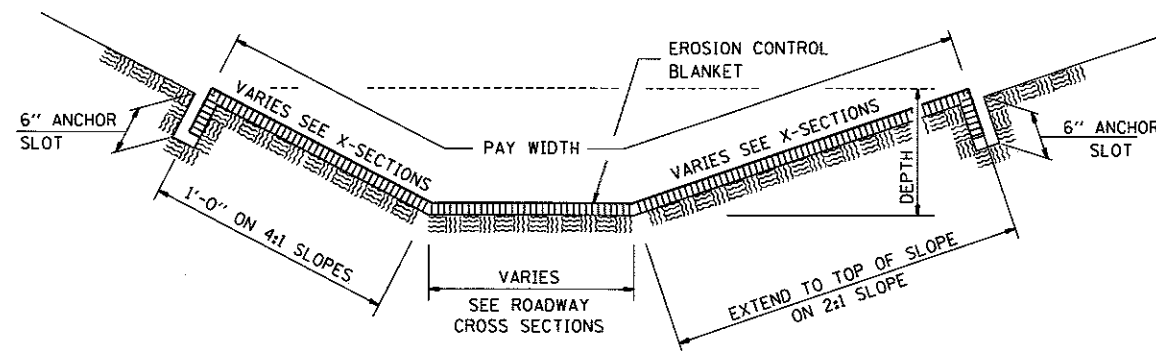
STORM WATER DISCHARGE SCHEMATIC

INTENDED SEQUENCE

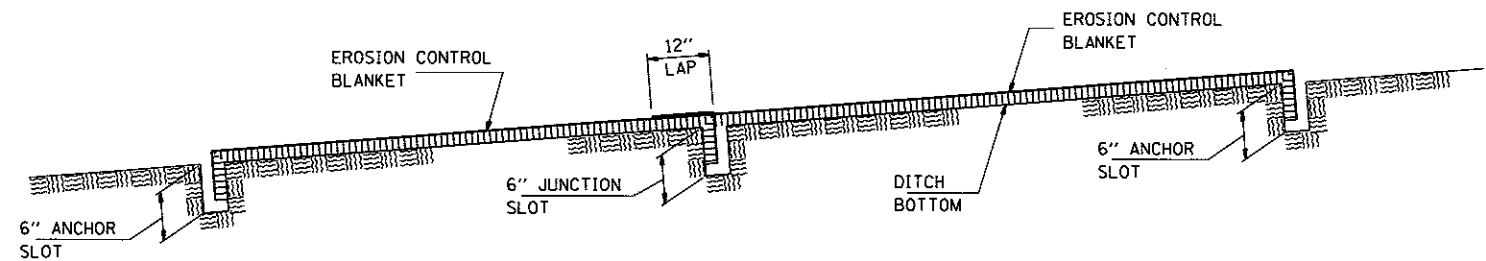
- ① PLACEMENT OF THE PERIMETER EROSION BARRIER PRIOR TO ANY COMMENCEMENT OF OTHER WORK. SEE STANDARD 280001.
- ② PLACEMENT OF INLET AND PIPE PROTECTION ON EXISTING STRUCTURES PRIOR TO COMMENCEMENT OF ANY WORK. PLACEMENT OF INLET AND PIPE PROTECTION AFTER CONSTRUCTION OF PROPOSED STRUCTURES. SEE STANDARD 280001
- ③ PLACEMENT OF TEMPORARY SEEDING ON GRADED SURFACES NOT HAVING PERMANENT SEEDING APPLIED.
- ④ PLACEMENT OF EROSION CONTROL BLANKET AFTER FINAL GRADING OF AREAS REQUIRING SUCH PROTECTION.
- ⑤ ONGOING MAINTENANCE OF EROSION CONTROL ELEMENTS PER SWPPP AND CITY OF SPRINGFIELD'S EROSION CONTROL ORDINANCE.
- ⑥ REMOVE TEMPORARY EROSION CONTROL ELEMENTS AFTER FINAL GRADING AND PERMANENT SEEDING IS ESTABLISHED AS PER THE SWPPP AND APPROVED BY THE ENGINEER.



PLAN VIEW & STAPLING LAYOUT FOR EROSION CONTROL BLANKET PLACEMENT IN DITCH



EROSION CONTROL BLANKET SECTION B - B



EROSION CONTROL BLANKET SECTION A - A

FINAL
DESIGNED: JWM 7/20/2017
DRAWN: CLG 7/20/2017
REVIEWED: MNM 10/17/2018

FILE NAME = 0609L0179B-shr-EROSION_DETAILS-001.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -
PLOT SCALE = 60.0000' / 1" =	CHECKED - JWM/MNM	DRAWN - CLG	REVISED -
PLOT DATE = 2/24/2017	DATE -	REVIEWED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
EROSION CONTROL DETAILS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	153
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED PIPE UNDERDRAIN

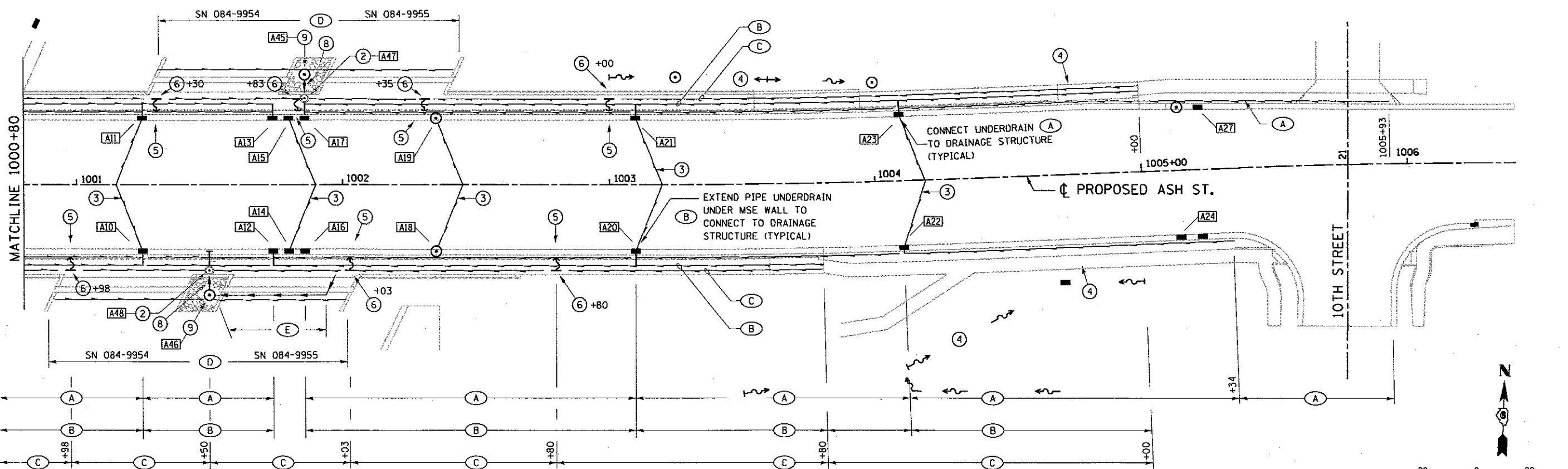
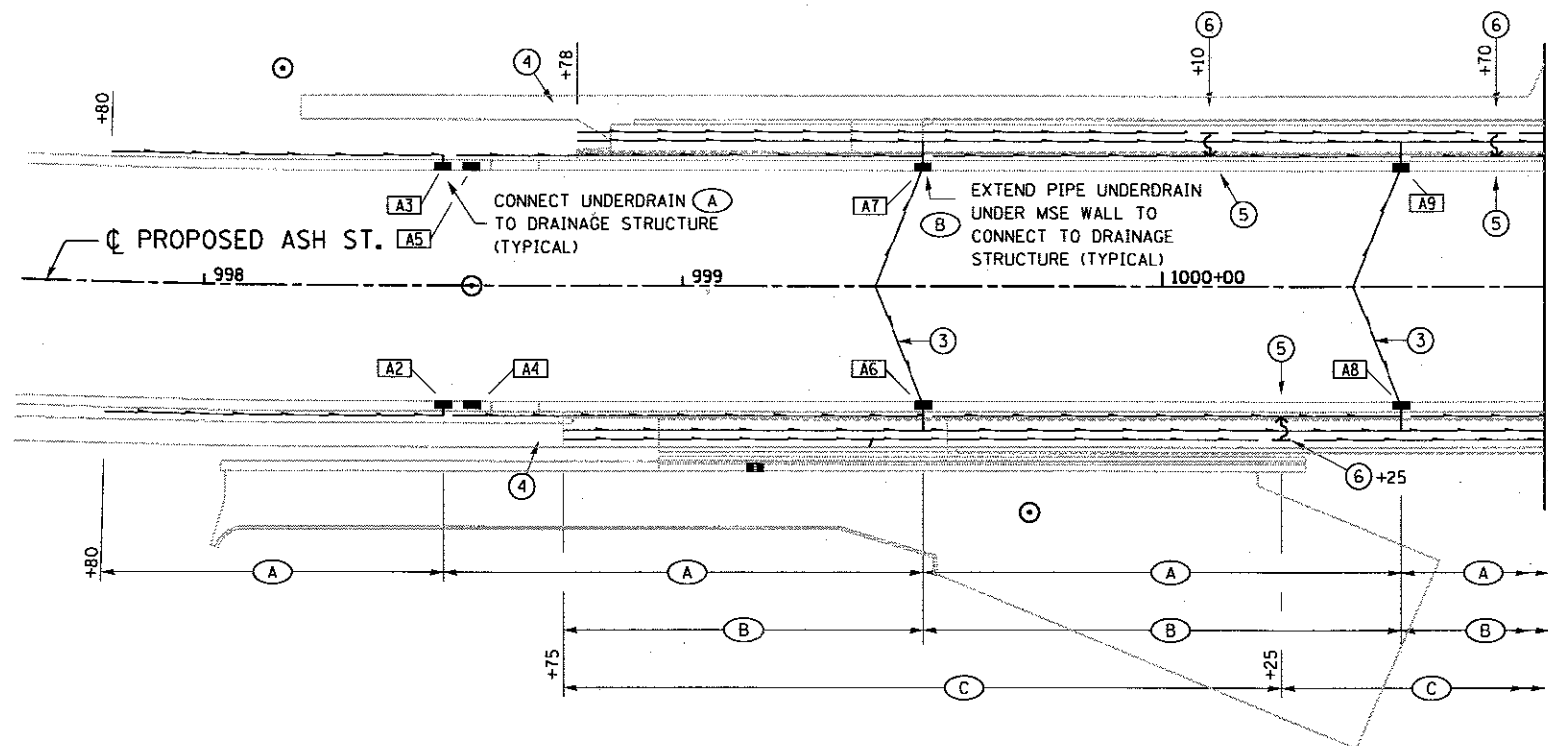
- (B) PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - BELOW MSE WALL SEE TYPICAL SECTIONS
- (C) PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - APPROX. AT MIDHEIGHT OF MSE WALL ABOVE ADJACENT MEDIAN SURFACE ELEVATION. SEE TYPICAL SECTIONS.

- A16 STORM STRUCTURE NO. (UNDERDRAIN OUTLET) SEE DRAINAGE SCHEDULE
- (A) PIPE UNDERDRAINS TYPE 1, 4" LOCATION - OUTSIDE OF ROADWAY SUBGRADE SEE TYPICAL SECTIONS

- (D) PIPE UNDERDRAIN FOR STRUCTURES 6" LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS
- (E) DRAINAGE SYSTEM NO. 2 LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS

NOTES

- 1 LEFT SIDE UNDERDRAIN LIMITS SIMILAR TO RIGHT EXCEPT WHERE NOTED.
- 2 PIPE DRAIN RISER, SEE PIPE DRAIN 12" RISER DETAIL - DRAINAGE DETAILS SHEET.
- 3 TRANSVERSE DRAIN, SEE DETAILS - DRAINAGE DETAILS SHEET.
- 4 SEE SIDEWALK / DITCH PROFILES SHEET.
- 5 (C) OUTLETS THROUGH A HOLE IN MSE WALL FOR DETAILS & LOCATIONS SEE STRUCTURE PLANS.
- 6 TEE PIPE UNDERDRAIN (C). SEE STRUCTURE PLANS.
- 7 ALL PROPOSED DRAINAGE STRUCTURES SHOWN FOR REFERENCE. ONLY PIPE UNDERDRAIN OUTLET STRUCTURES ARE LABELED. SEE PLAN AND PROFILE FOR DRAINAGE PLAN LAYOUT.
- 8 PIPE DRAIN 8" BETWEEN DRILLED SHAFTS CONNECT TO 12" RISER. SEE DRAINAGE DETAIL SHEET.
- 9 STRUCTURES A45 & A46 PLACED BETWEEN BRIDGE STRUCTURES CONNECTS TO FABRIC LINED PIPE UNDERDRAINS FOR STRUCTURES 6".



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FINAL
 DESIGNED: JWM 7/20/2016
 DRAWN: CLG 7/20/2016
 REVIEWED: MNN 10/17/2016

FILE NAME: D:\09\1798-sht-Udrain-ASH10-001.dgn
 USER NAME: Johns09944
 PLOT SCALE: 40,0000' / 1" / in.
 PLOT DATE: 5/26/2017

DESIGNED - JWM
 DRAWN - CLG
 CHECKED - JWM/MNN
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

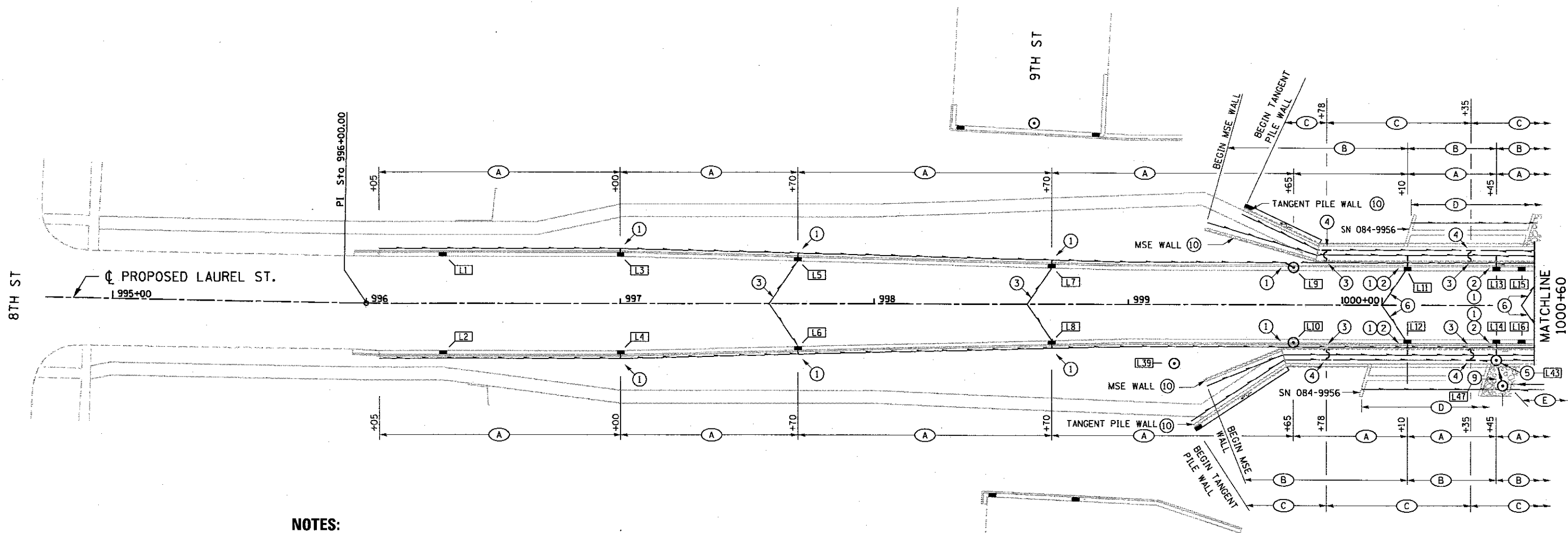
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 PIPE UNDERDRAIN PLAN - ASH STREET

SCALE: SHEET 1 OF 1 SHEETS STA. 995+26 TO STA. 1006+40

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00477-00-BR	09L0179B	SANGAMON	403	154
CONTRACT NO. 93704			ILLINOIS FED. AID PROJECT	

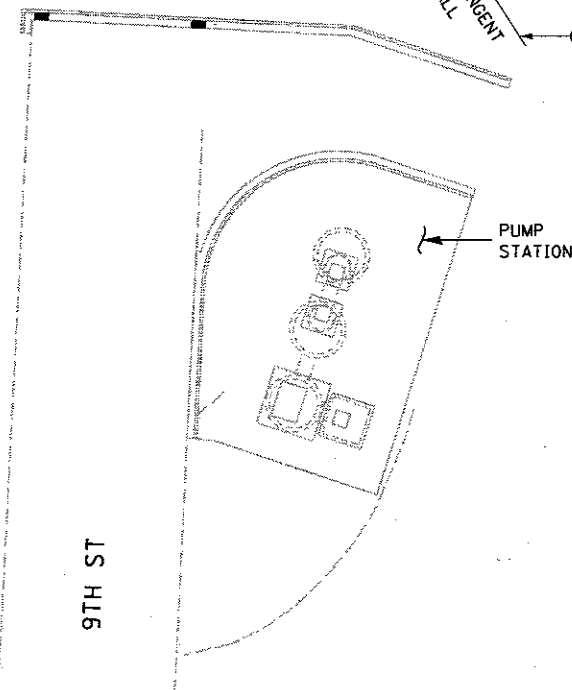
LEGEND:

- PROPOSED INLET
- ⊙ PROPOSED MANHOLE
- PROPOSED PIPE UNDERDRAIN
- ⓑ PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - BELOW MSE WALL SEE TYPICAL SECTIONS
- Ⓒ PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - APPROX. AT MIDHEIGHT OF MSE WALL ABOVE ADJACENT MEDIAN SURFACE ELEVATION. SEE TYPICAL SECTIONS.
- Ⓐ PIPE UNDERDRAINS TYPE 1, 4" LOCATION - OUTSIDE OF ROADWAY SUBGRADE SEE TYPICAL SECTIONS
- Ⓛ16 STORM STRUCTURE NO. (UNDERDRAIN OUTLET) SEE DRAINAGE SCHEDULE
- ⓓ PIPE UNDERDRAIN FOR STRUCTURES 6" LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS
- Ⓔ DRAINAGE SYSTEM, NO. 4 LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS



NOTES:

- ① CONNECT UNDERDRAIN (A) TO DRAINAGE STRUCTURE, (TYPICAL).
- ② EXTEND PIPE UNDERDRAIN UNDER MSE WALL TO CONNECT (B) TO DRAINAGE STRUCTURE (TYPICAL)
- ③ (C) OUTLETS THROUGH A HOLE IN MSE WALL FOR DETAILS & LOCATIONS SEE STRUCTURE PLANS.
- ④ TEE PIPE UNDERDRAIN (C), SEE STRUCTURE PLANS.
- ⑤ PIPE DRAIN RISER, SEE PIPE DRAIN 12" RISER DETAIL - DRAINAGE DETAILS SHEET.
- ⑥ TRANSVERSE DRAIN, SEE DETAILS - DRAINAGE DETAILS SHEET.
- ⑦ NOT USED
- ⑧ ALL PROPOSED DRAINAGE STRUCTURES SHOWN FOR REFERENCE. ONLY PIPE UNDERDRAIN OUTLET STRUCTURES ARE LABELED. SEE PLAN AND PROFILE FOR DRAINAGE PLAN LAYOUT.
- ⑨ PIPE DRAIN 8" BETWEEN DRILLED SHAFTS CONNECT TO 12" RISER. SEE DRAINAGE DETAIL SHEET.
- ⑩ SEE STRUCTURE PLANS FOR LIMITS AND DETAILS.
- ⑪ STRUCTURES [L47] & [L48] PLACED BETWEEN BRIDGE STRUCTURES CONNECTS TO FABRIC LINED PIPE UNDERDRAINS FOR STRUCTURES 6".



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FINAL
 DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - JMM 10/21/2015

FILE NAME = D609L01798-shd-Underdrain-LAU10-001
 USER NAME = Johns00944
 PLOT SCALE = 40.000' / 1" =
 PLOT DATE = 5/26/2017

DESIGNED - JWM
 DRAWN - CLG
 CHECKED - JMM/MNM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 PIPE UNDERDRAIN PLAN - LAUREL STREET - 1

SCALE: SHEET 1 OF 2 SHEETS STA. 995+50 TO STA. 1000+60

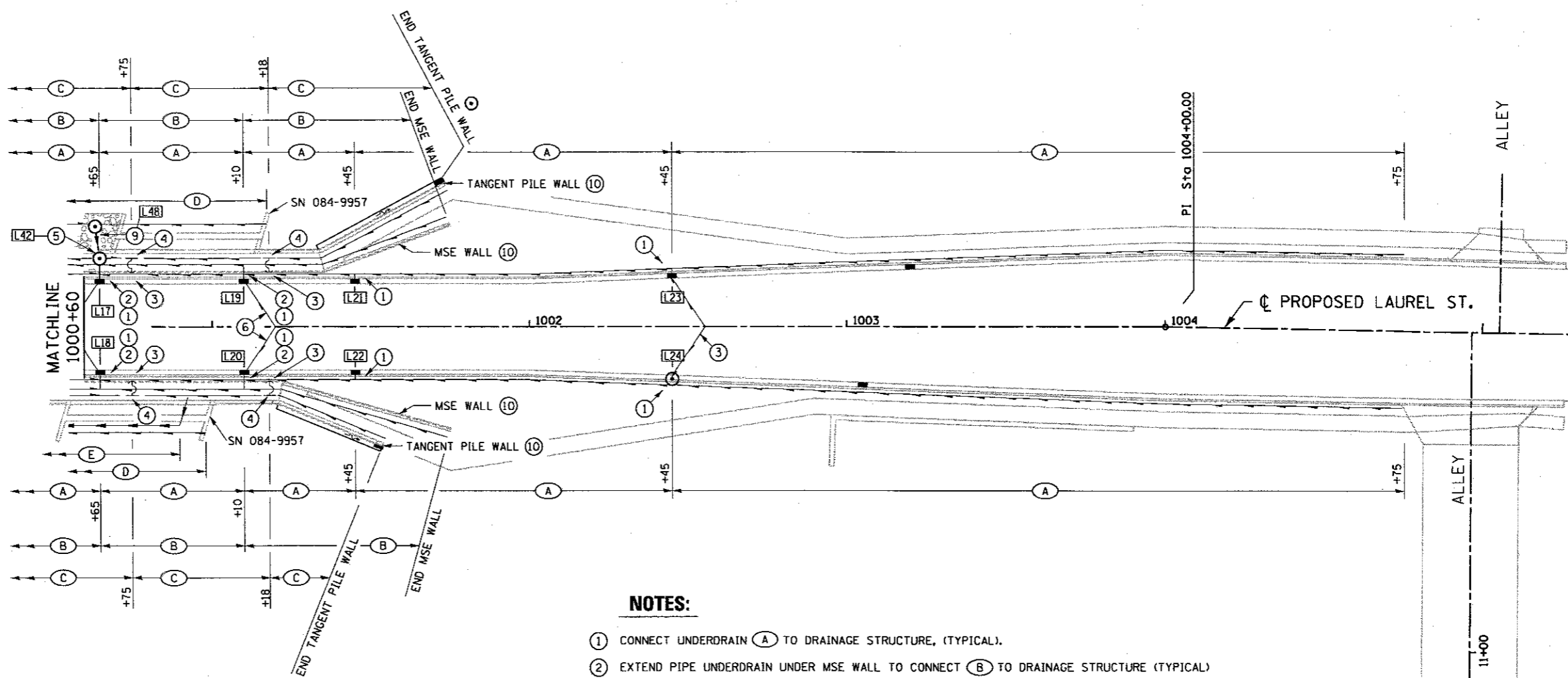
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	14-00477-00-BR	SANGAMON	403	155
	09L0179B		CONTRACT NO.	93704
ILLINOIS FED. AID PROJECT				



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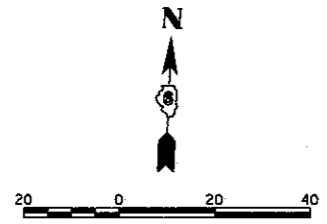
LEGEND:

- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED PIPE UNDERDRAIN
- ⊖ (B) PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - BELOW MSE WALL SEE TYPICAL SECTIONS
- ⊖ (C) PIPE UNDERDRAINS FOR STRUCTURES 4" LOCATION - APPROX. AT MIDHEIGHT OF MSE WALL ABOVE ADJACENT MEDIAN SURFACE ELEVATION. SEE TYPICAL SECTIONS.
- ⊖ (A) PIPE UNDERDRAINS TYPE 1, 4" LOCATION - OUTSIDE OF ROADWAY SUBGRADE SEE TYPICAL SECTIONS
- ⊖ (D) PIPE UNDERDRAIN FOR STRUCTURES 6" LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS
- ⊖ (E) DRAINAGE SYSTEM NO. 4 LOCATION - BACK OF ABUTMENT SEE STRUCTURE PLANS
- ⊖ (L16) STORM STRUCTURE NO. (UNDERDRAIN OUTLET) SEE DRAINAGE SCHEDULE



NOTES:

- ① CONNECT UNDERDRAIN (A) TO DRAINAGE STRUCTURE, (TYPICAL).
- ② EXTEND PIPE UNDERDRAIN UNDER MSE WALL TO CONNECT (B) TO DRAINAGE STRUCTURE (TYPICAL)
- ③ (C) OUTLETS THROUGH A HOLE IN MSE WALL FOR DETAILS & LOCATIONS SEE STRUCTURE PLANS.
- ④ TEE PIPE UNDERDRAIN (C), SEE STRUCTURE PLANS.
- ⑤ PIPE DRAIN RISER, SEE PIPE DRAIN 12" RISER DETAIL - DRAINAGE DETAILS SHEET.
- ⑥ TRANSVERSE DRAIN, SEE DETAILS - DRAINAGE DETAILS SHEET.
- ⑦ NOT USED
- ⑧ ALL PROPOSED DRAINAGE STRUCTURES SHOWN FOR REFERENCE. ONLY PIPE UNDERDRAIN OUTLET STRUCTURES ARE LABELED. SEE PLAN AND PROFILE FOR DRAINAGE PLAN LAYOUT.
- ⑨ PIPE DRAIN 8" BETWEEN DRILLED SHAFTS CONNECT TO 12" RISER. SEE DRAINAGE DETAIL SHEET.
- ⑩ SEE STRUCTURE PLANS FOR LIMITS AND DETAILS.
- ⑪ STRUCTURES (L47) & (L48) PLACED BETWEEN BRIDGE STRUCTURES CONNECTS TO FABRIC LINED PIPE UNDERDRAINS FOR STRUCTURES 6".



FINAL
 DESIGNED: JWM 7/20/2015
 DRAWN: CLG 7/20/2015
 REVIEWED: MNM 10/17/2018

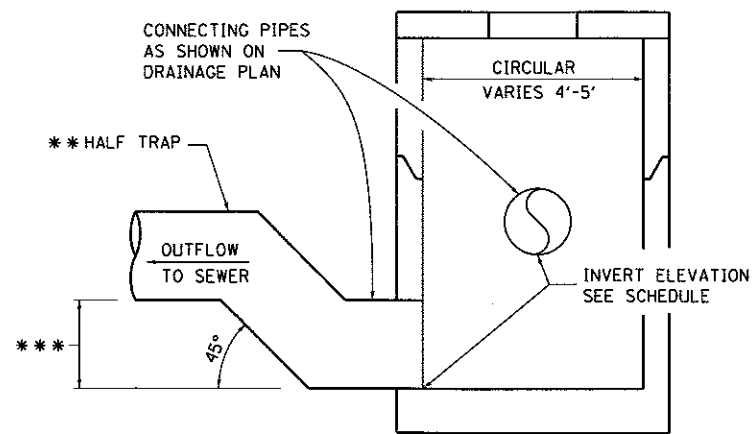
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PLANT =	PLLOT SCALE = 40,000' / 1" =	DRAWN - CLG	REVISED -
	PLLOT DATE = 5/26/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 PIPE UNDERDRAIN PLAN - LAUREL STREET - 2**

SCALE: SHEET 2 OF 2 SHEETS STA. 1000+60 TO STA. 1005+26

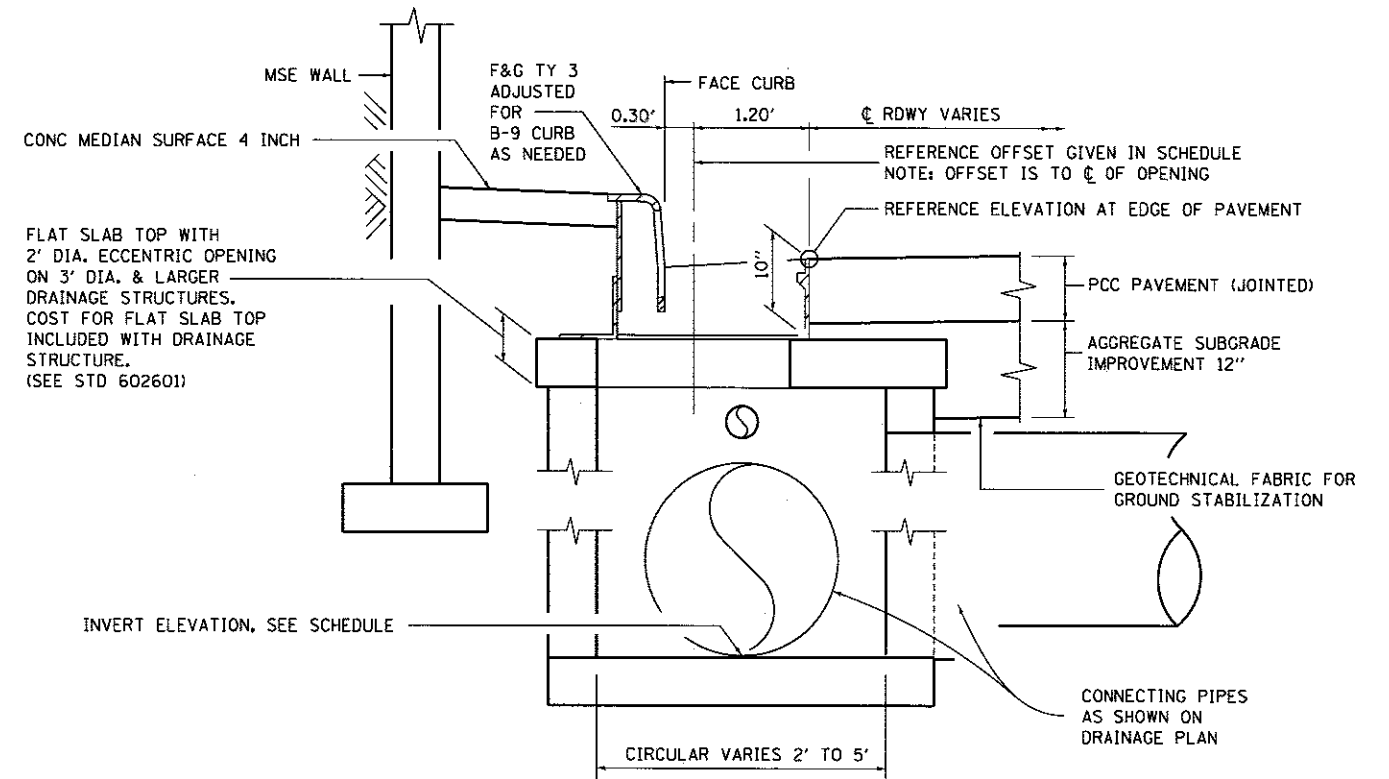
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	14-00477-00-BR	SANGAMON	403	156
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



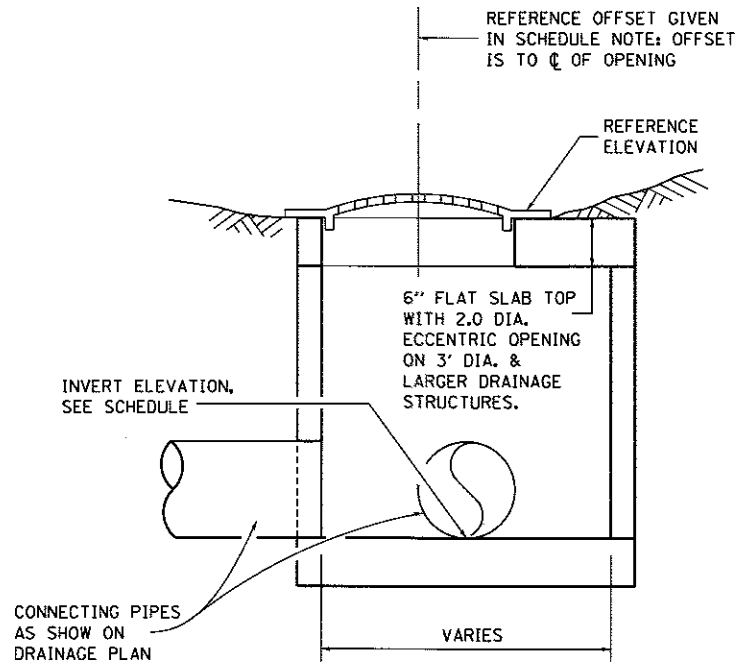
*** = 1'-3" FOR 12" SEWER CONNECTION
 1'-9" FOR 18" SEWER CONNECTION
 2'-3" FOR 24" SEWER CONNECTION

*** = HALF TRAP INCLUDED IN COST OF STRUCTURE

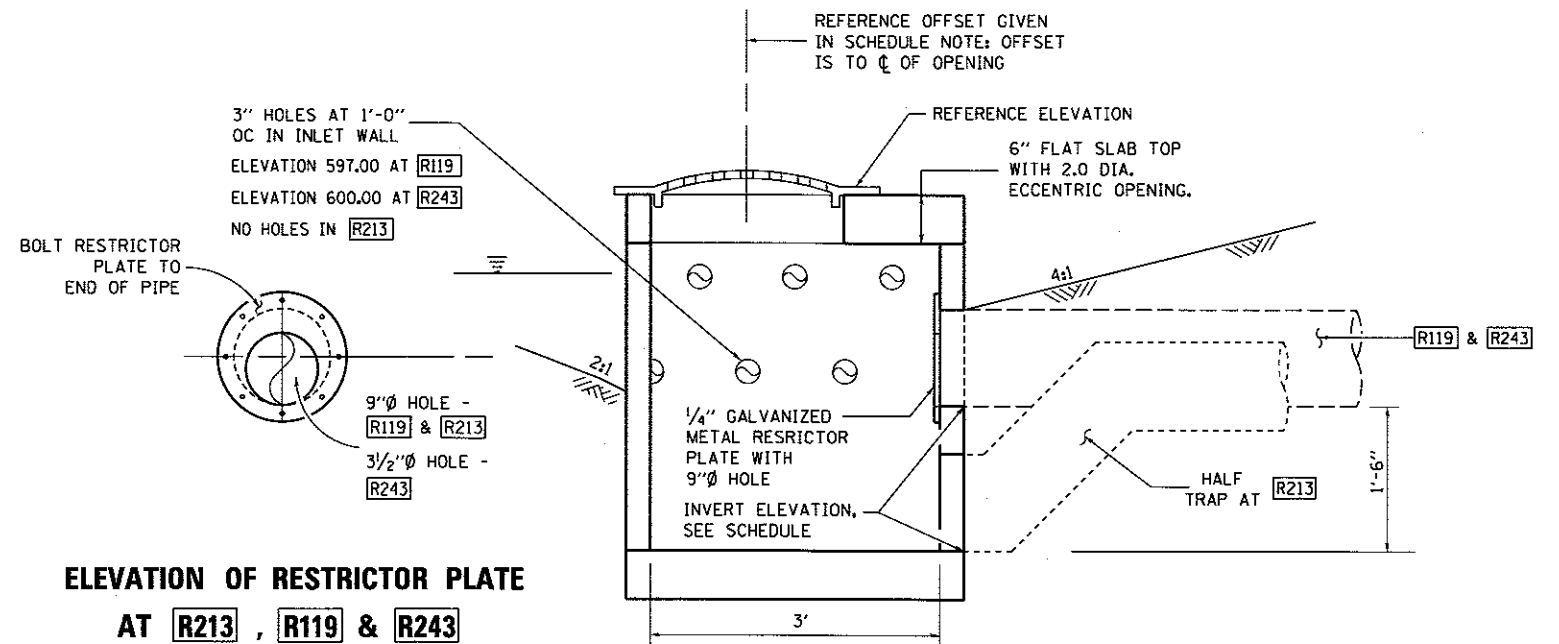
TYPICAL DRAINAGE STRUCTURE WITH HALF TRAP



TYPICAL DRAINAGE STRUCTURE WITH TYPE 3V F&G



TYPICAL INLET TYPE A, INLET TYPE B OR MANHOLE TYPE A WITH TYPE 8 GRATE



ELEVATION OF RESTRICTOR PLATE AT R213, R119 & R243

PERFORATED INLET W/ RESTRICTOR INLET TYPE B WITH TYPE 8 GRATE R213, R119 & R243

FINAL
 DESIGNED: JWM 7/20/2016
 DRAWN: CLG 7/20/2016
 REVIEWED: MNM 10/17/2016

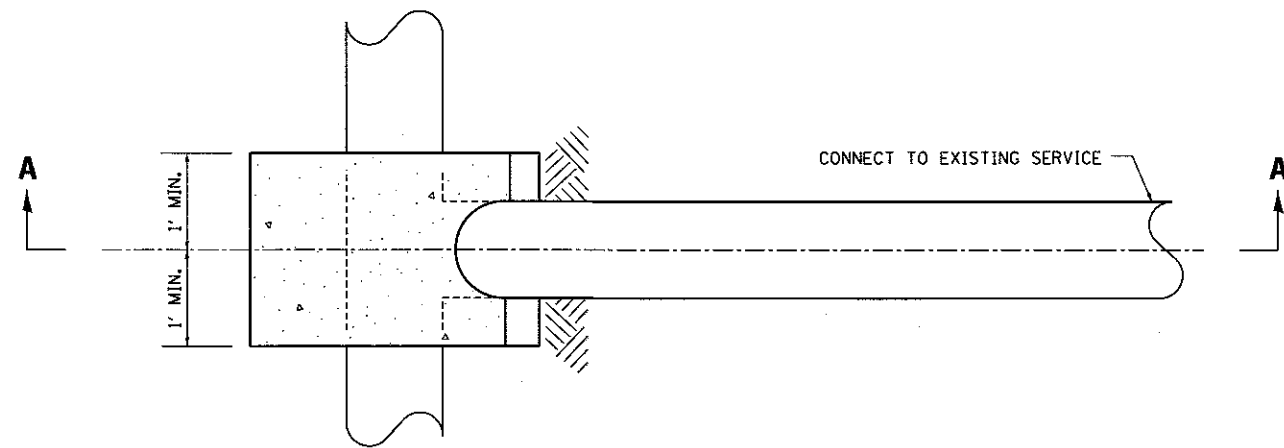
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D609L01798-ahd-drain-details-001.dgn		DRAWN - CLG	REVISED -
	PLOT SCALE = 10.0000' / 1"	CHECKED - JWM/MNM	REVISED -
Sheet 1	PLOT DATE = 2/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

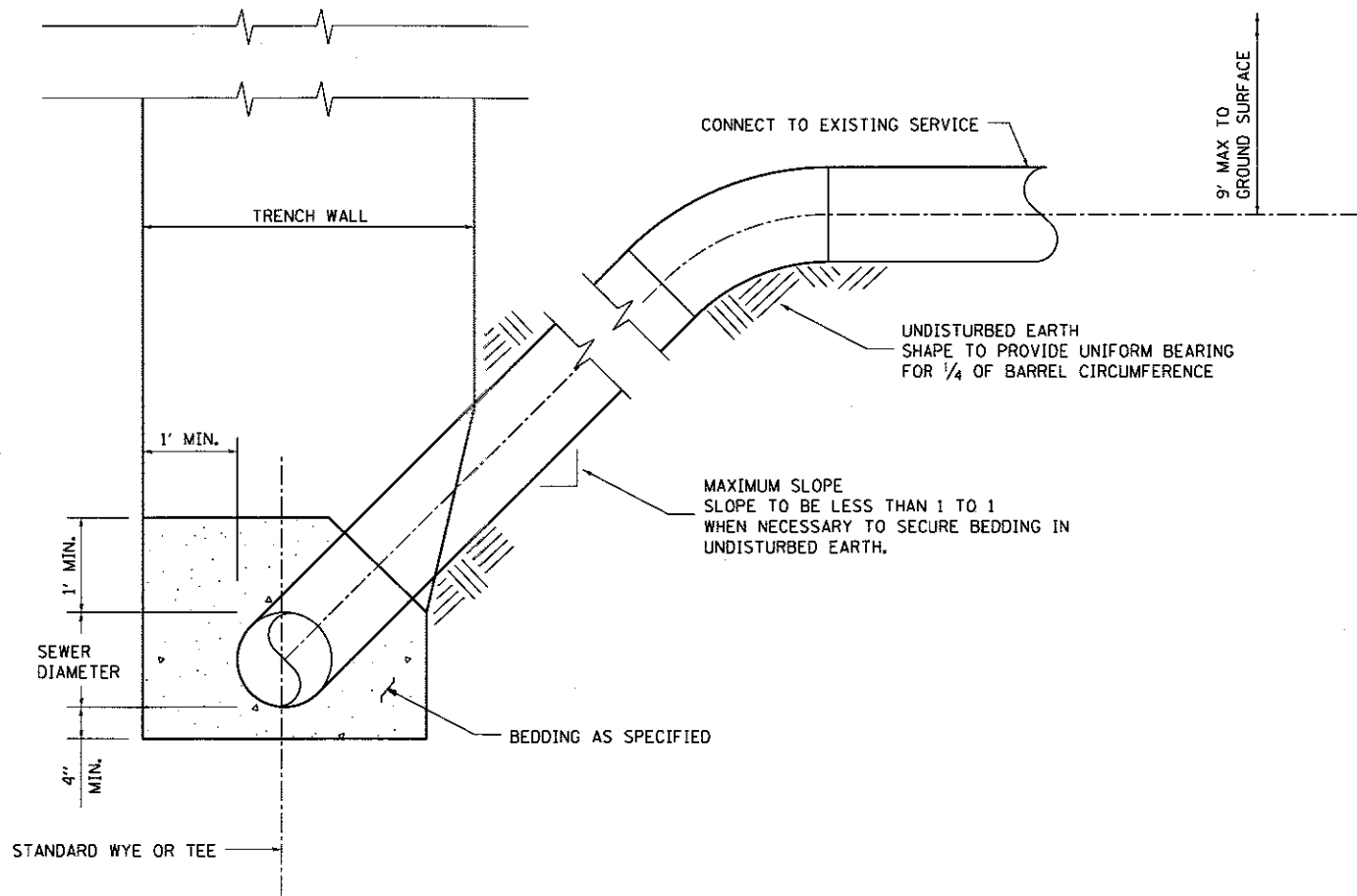
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 DRAINAGE DETAILS - 1**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	157
	09L01798			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.



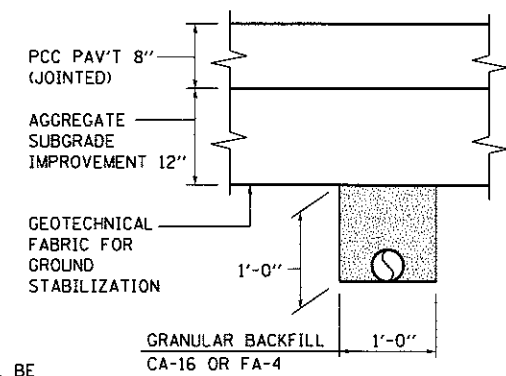
PLAN VIEW - RISER FOR SANITARY SERVICE LATERAL



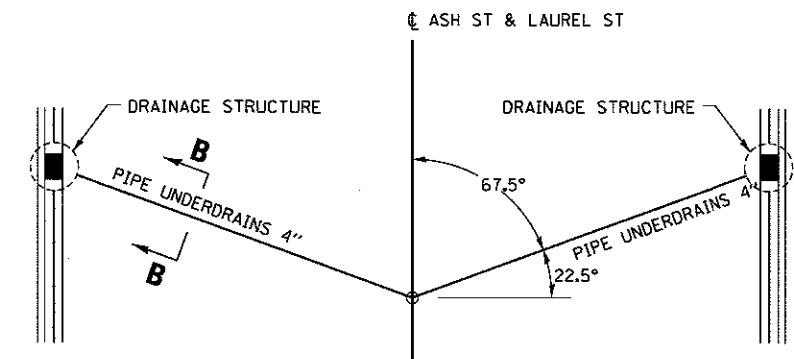
ELEVATION VIEW - RISER FOR SANITARY SERVICE LATERAL

SECTION A-A

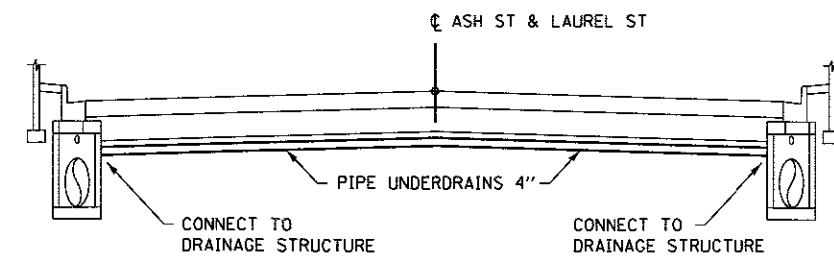
- ① TRANSVERSE DRAIN MATERIALS AND CONSTRUCTION SHALL CONFORM TO SECTION 601 OF THE STANDARD SPECIFICATIONS. FABRIC ENVELOPE SHALL BE USED AND THE GRANULAR BACKFILL GRADATION SHALL BE CA-16 GRAVEL OR FA-4 NATURAL SAND.
- ② ALL MATERIALS WILL NOT BE MEASURED SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT PRICE PER UNIT FOR TRANSVERSE DRAINS COMPLETE.
- ③ PERFORATED PIPE ENCASED IN FABRIC SHALL BE CORRUGATED PE WITH A SMOOTH INTERIOR MEETING ARTICLE 1040.04.



SECTION B-B



ROADWAY PLAN TRANSVERSE DRAIN LAYOUT



ROADWAY CROSS SECTION TRANSVERSE DRAIN LAYOUT

DESIGNED - JWM 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/17/2018

FILE NAME =	USER NAME = pop00275
D689L0179B-ahs-drain-details-002.dgn	
PLOT SCALE = 10.0000' / 1"	
PLOT DATE = 2/24/2017	

DESIGNED - JWM	REVISD -
DRAWN - CLG	REVISD -
CHECKED - JWM/MNM	REVISD -
DATE -	REVISD -

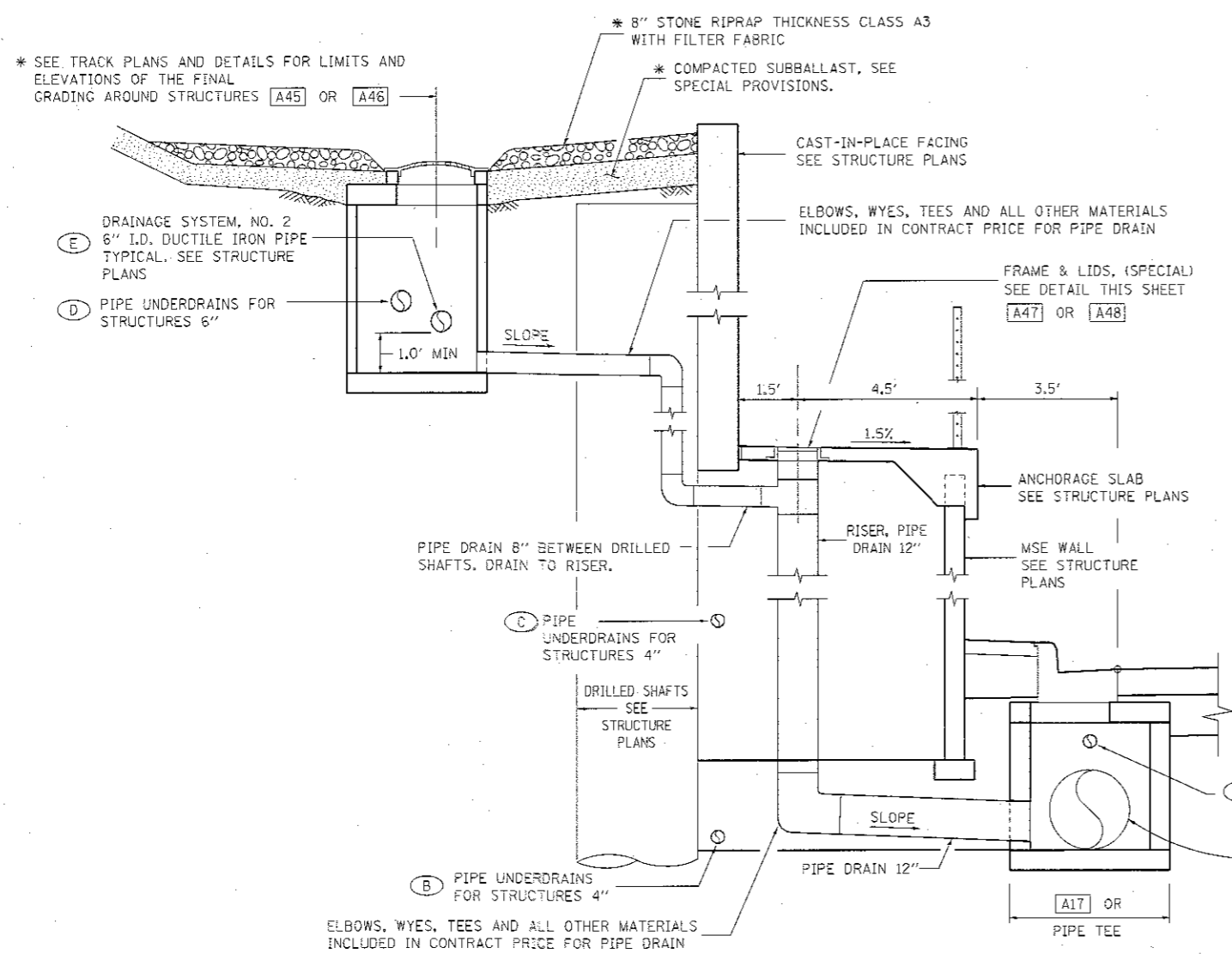
DESIGNED - JWM	REVISD -
DRAWN - CLG	REVISD -
CHECKED - JWM/MNM	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 DRAINAGE DETAILS - 2**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	158
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

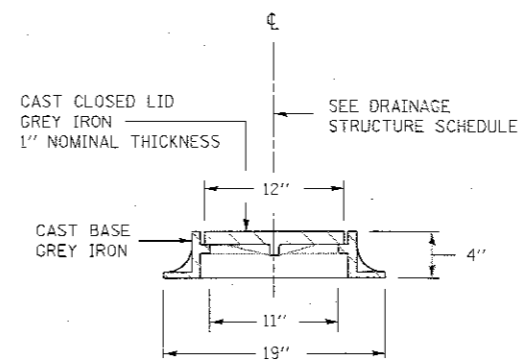
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.



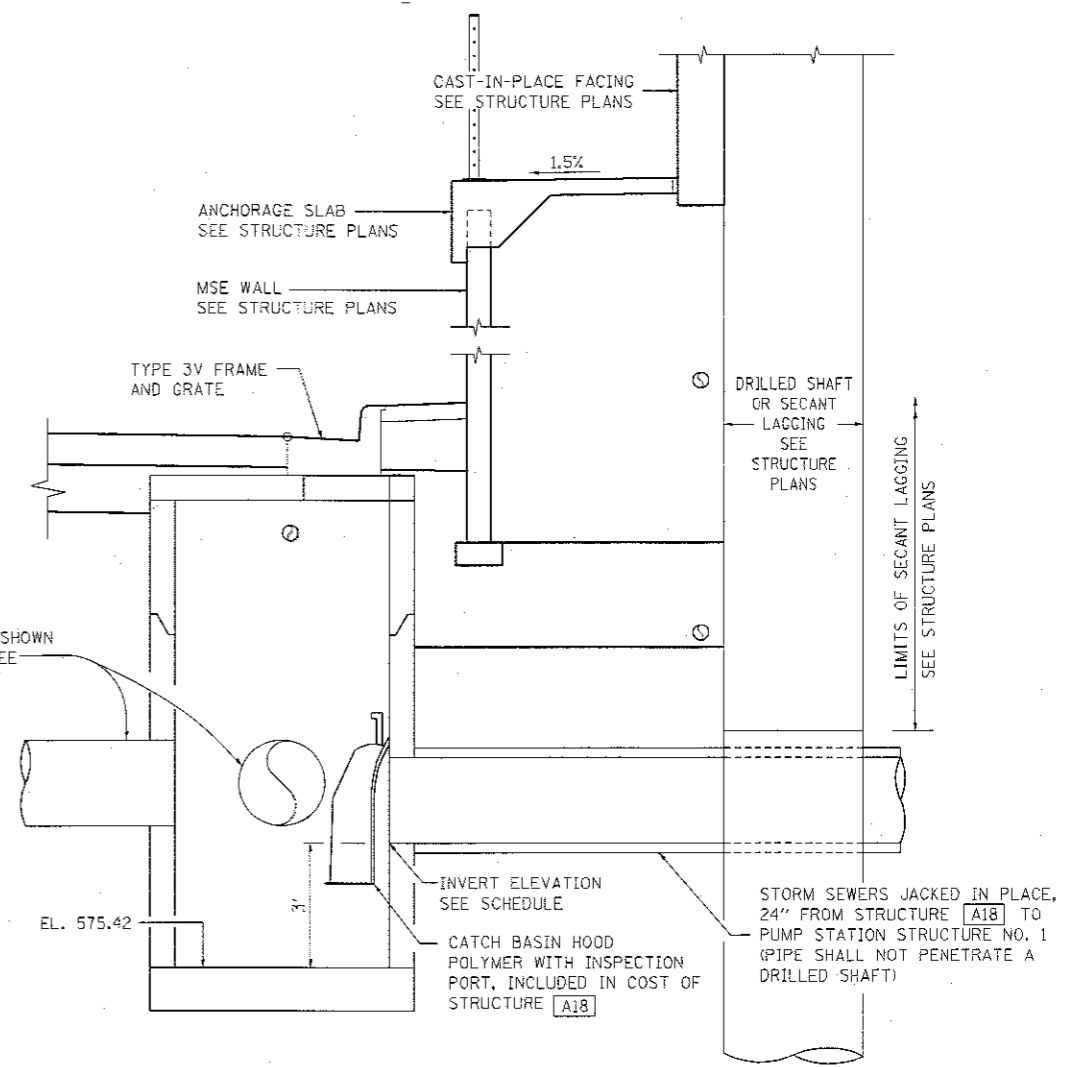
ASH ST. PIPE DRAIN 12" RISER AT STRUCTURES [A45] - [A47] - [A17]

ASH ST. PIPE DRAIN 12" RISER AT STRUCTURES [A46] - [A48] - PIPE TEE
(SIMILAR EXCEPT OUTLET IS A PIPE TEE)

NOTE
(X) = CALLOUT DESIGNATION SEE PIPE UNDERDRAIN PLAN SHEET



FRAME & LIDS, (SPECIAL)



SILT BASIN
ASH ST. STRUCTURE [A18]
(LOOKING EAST)

FINAL
DESIGNED JUN 17/20/2015
DRAWN CLG 17/20/2015
REVIEWED MNM 10/11/2016

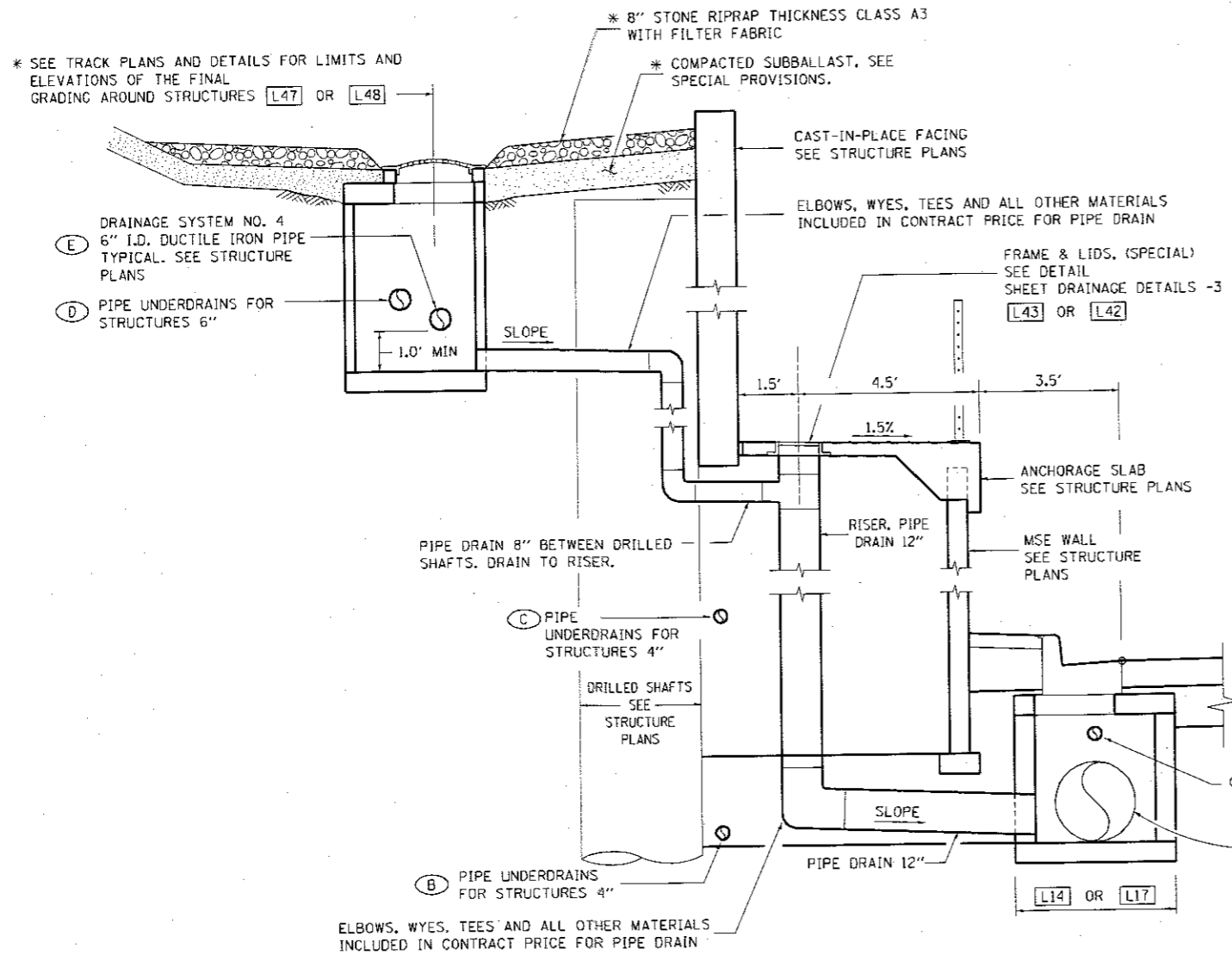
FILE NAME =	USER NAME = georg00508	DESIGNED - JWM	REVISED -
D609L01798-shd-drain-details-003.dgn		DRAWN - CLG	REVISED -
	PLOT SCALE = 5.0000' / 1"	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 6/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
DRAINAGE DETAILS - 3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	159
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

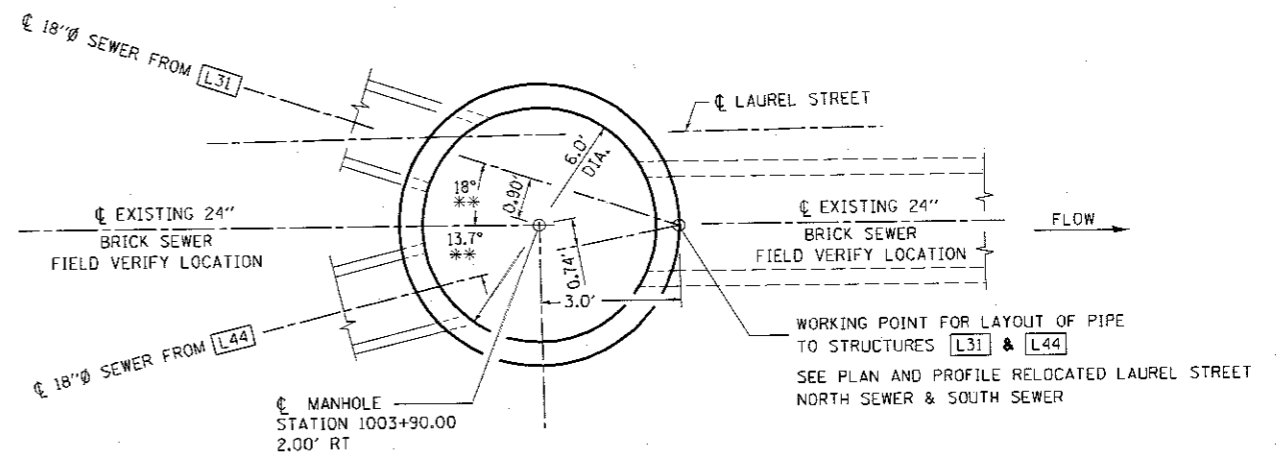


LAUREL ST. PIPE DRAIN 12" RISER AT STRUCTURES [L47] - [L43] - [L14]

LAUREL ST. PIPE DRAIN 12" RISER AT STRUCTURES [L48] - [L42] - [L17]

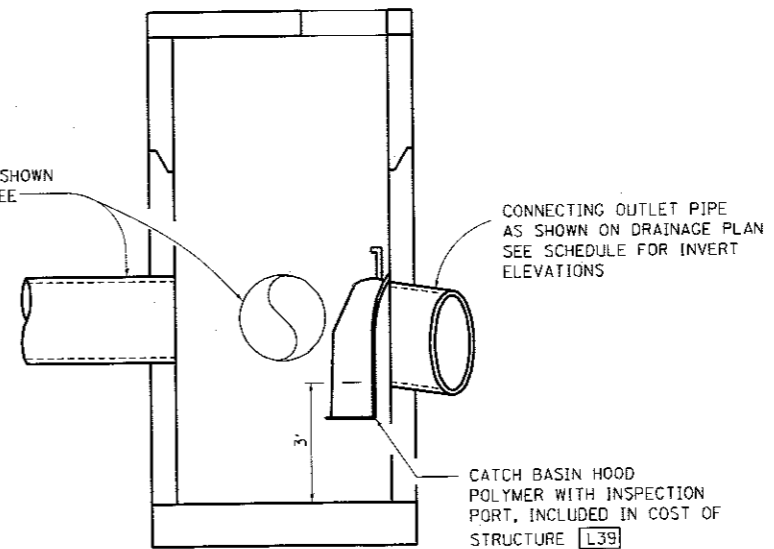
NOTE

(X) = CALLOUT DESIGNATION
SEE PIPE UNDERDRAIN
PLAN SHEET



MANHOLE STRUCTURE [L25]

(** FIELD VERIFY)



SILT BASIN

LAUREL ST. STRUCTURE [L39]

(LOOKING EAST)

DESIGNED	JWM	7/20/2015
DRAWN	CLG	7/20/2015
REVIEWED	MNM	8/11/2015

FILE NAME =	D689L0179B-shr-drain-detail1s-004.dgn
USER NAME =	georg00688
DESIGNED -	JWM
DRAWN -	CLG
CHECKED -	JWM/MNM
DATE -	8/13/2017

DESIGNED -	JWM	REVISD -	
DRAWN -	CLG	REVISD -	
CHECKED -	JWM/MNM	REVISD -	
DATE -	8/13/2017	REVISD -	

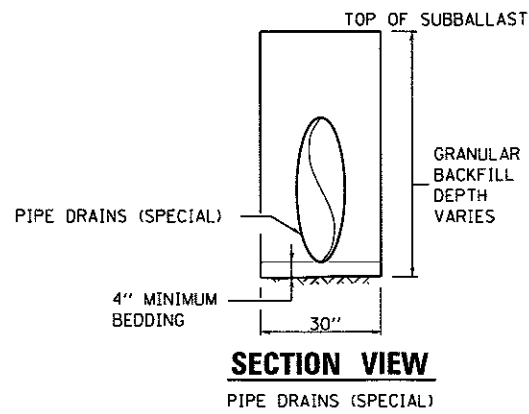
DESIGNED -	JWM	REVISD -	
DRAWN -	CLG	REVISD -	
CHECKED -	JWM/MNM	REVISD -	
DATE -	8/13/2017	REVISD -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
DRAINAGE DETAILS - 4

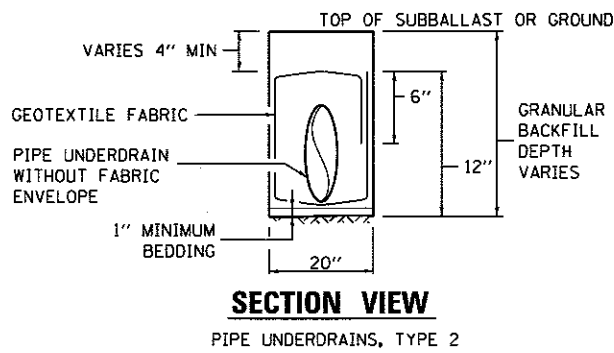
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	160
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



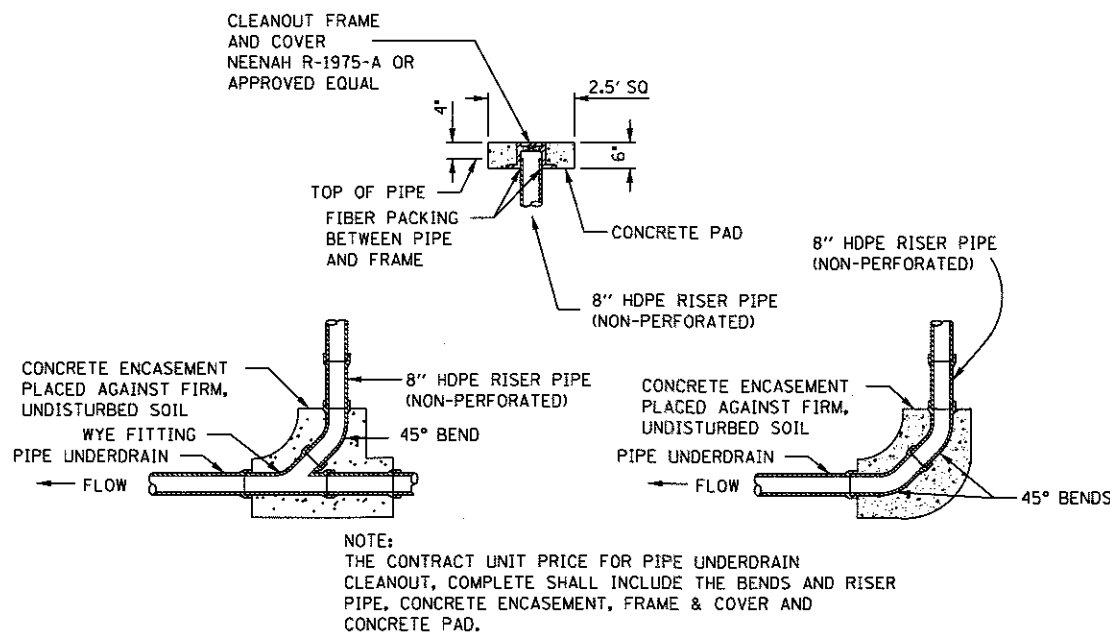
NOTES: PIPE DRAINS (SPECIAL)

- ① BEDDING AND GRANULAR BACKFILL SHALL BE COARSE AGGREGATE MEETING ARTICLE 1004.05, EXCEPT THAT THE GRADATION SHALL BE CA-7. GRANULAR BACKFILL SHALL BE PLACED AND COMPACTED ACCORDING TO ARTICLE 542.04(C) AND 542.04(F), RESPECTIVELY.
- ② ALL MATERIALS WILL NOT BE MEASURED SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT PRICE PER UNIT FOR PIPE DRAIN (SPECIAL) OF DIAMETER SPECIFIED.
- ③ PIPE DRAINS (SPECIAL) SHALL BE A SMOOTH STEEL PIPE ACCORDING TO PROJECT SPECIFICATIONS.



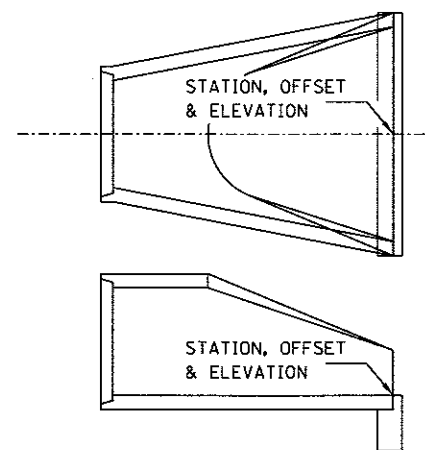
NOTES: PIPE UNDERDRAINS, TYPE 2

- ④ PIPE UNDERDRAIN MATERIALS AND CONSTRUCTION SHALL CONFORM TO SECTION 601 OF THE STANDARD SPECIFICATIONS. THE GRANULAR BACKFILL GRADATION SHALL BE CA-7.
- ⑤ ALL MATERIALS WILL NOT BE MEASURED SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT PRICE PER UNIT FOR PIPE UNDERDRAINS, TYPE 2 OF THE SIZE SPECIFIED.
- ⑥ PERFORATED PIPE SHALL BE PERFORATED CORRUGATED PE PIPE WITH A SMOOTH INTERIOR MEETING ARTICLE 1040.04



PIPE UNDERDRAIN CLEANOUT, COMPLETE DETAIL

N.T.S.



END SECTION OFFSET

N.T.S.

FINAL
DESIGNED: GNC 7/20/2015
DRAWN: RSJ 7/20/2015
REVIEWED: MMN 8/7/2016

FILE NAME =	USER NAME = pop02275	DESIGNED - GNC	REVISED -
DE09L0179B-sht-details-TRACK-001.dgn		DRAWN - RSJ	REVISED -
	PLOT SCALE = 10.0000' / 1\"/>		
	PLOT DATE = 2/24/2017	CHECKED - JWM/MMN	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

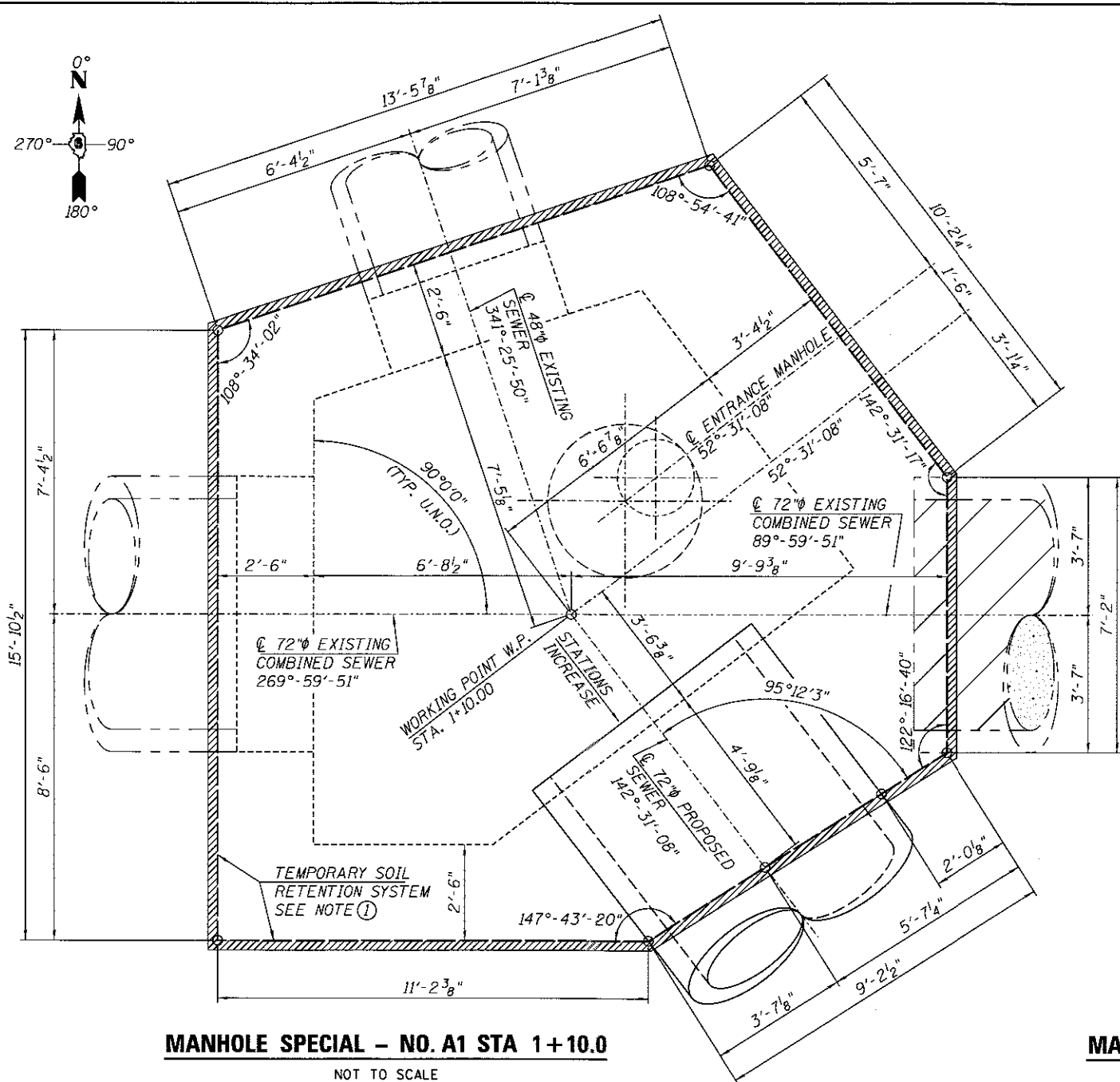
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
TRACK DRAINAGE DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	161
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



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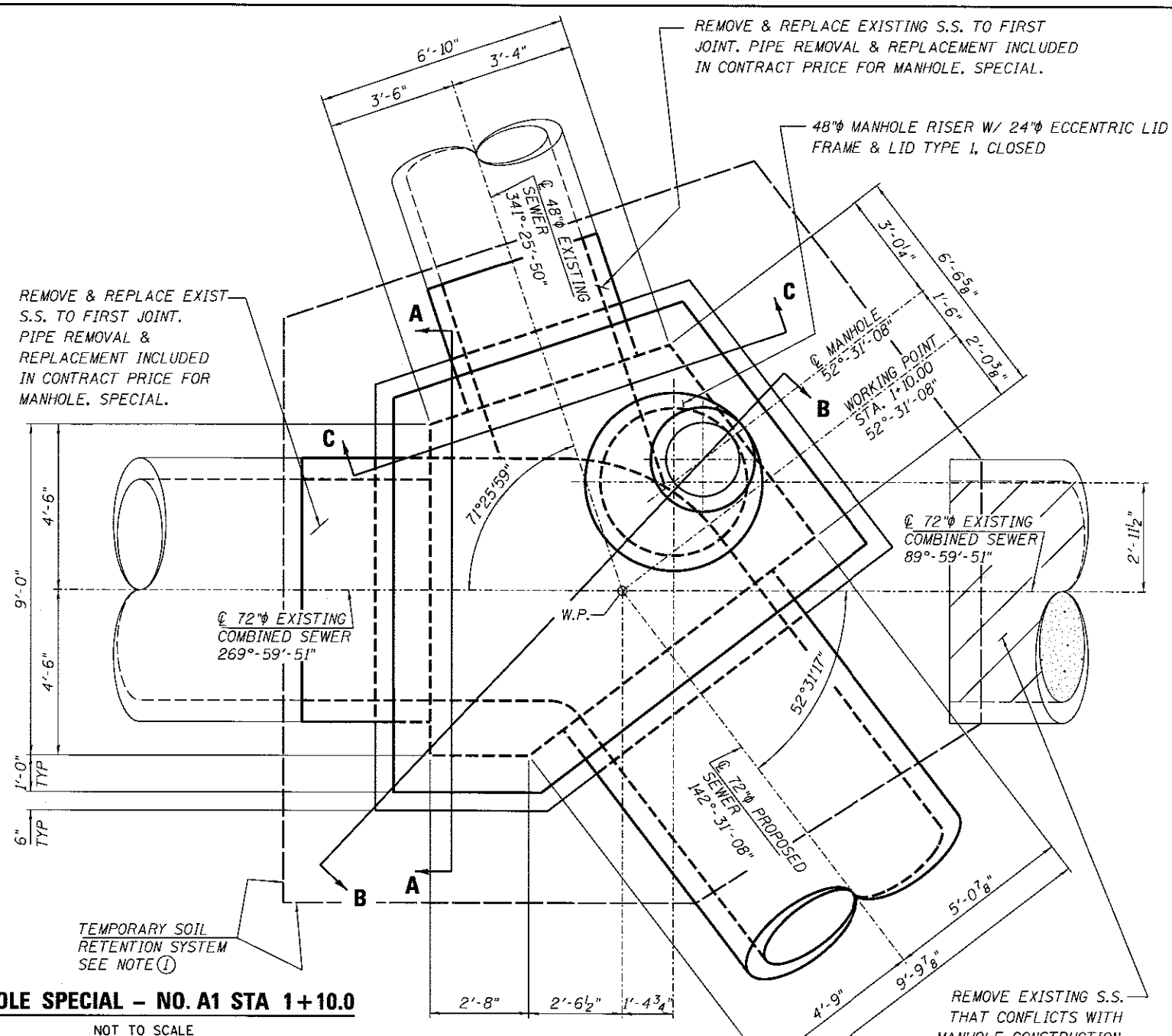


MANHOLE SPECIAL - NO. A1 STA 1+10.0

NOT TO SCALE

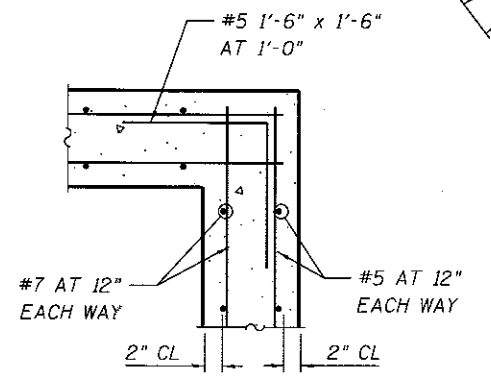
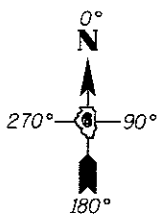
NOTES:

- ① A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
- ② EXCAVATION, BACKFILL, CONCRETE, CONCRETE FILL, REINFORCEMENT BARS, RISER, FRAME & LID, STEPS AND OPTIONAL PRECAST CONCRETE BASE SHALL BE INCLUDED IN THE COST OF MANHOLE, SPECIAL.
- ③ W.P. = WORKING POINT, SEE PLAN AND PROFILE SHEET - RELOCATED 72" DIA. SEWER
- ④ FLEXIBLE PIPE-TO-MANHOLE CONNECTORS SHALL BE PLACED AT ALL PENETRATIONS.
- ⑤ SEE SHEET "MANHOLE SPECIAL DETAILS - NO. A1" FOR SECTION DETAILS AND ADDITIONAL NOTES.
- ⑥ THE CONTRACTOR SHALL MAINTAIN FLOW IN THE 72" ϕ COMBINED SEWER THROUGHOUT CONSTRUCTION INCLUDING PIPED CONVEYANCE OF LOW FLOW (WASTE WATER) THROUGH THE MANHOLE EXCAVATION.
- ⑦ PIPE TO MANHOLE CONNECTORS SHALL BE A-LOK TYPE CAST IN THE CONCRETE.
- ⑧ FOLLOWING INSTALLATION OF ALL PIPES, CONCRETE TROUGHS SHALL BE CONSTRUCTED IN THE BOTTOM OF THE MANHOLE TO ENSURE LAMINAR FLOW THROUGH THE STRUCTURE.



MANHOLE SPECIAL - NO. A1 STA 1+10.0

NOT TO SCALE



REINFORCEMENT AT ALL CORNERS

NOT TO SCALE

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG/RDH 7/20/2015
REVIEWED: MM 10/11/2016

FILE NAME = 09L01798-Special.Structures.Drainage	USER NAME = pop00275	DESIGNED - JWM	REVISED -
		DRAWN - CLG/RDH	REVISED -
		CHECKED - JWM/MMM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

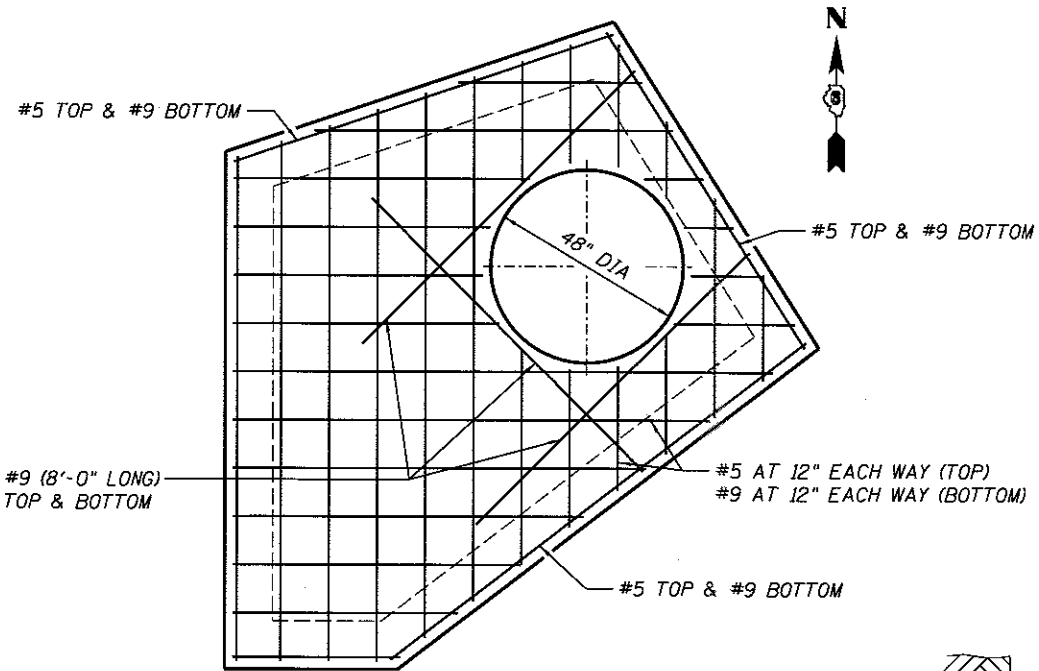
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
MANHOLE SPECIAL - NO. A1**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	162
	09L01798	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

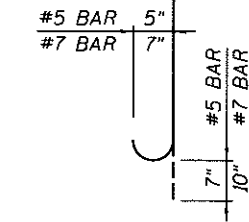


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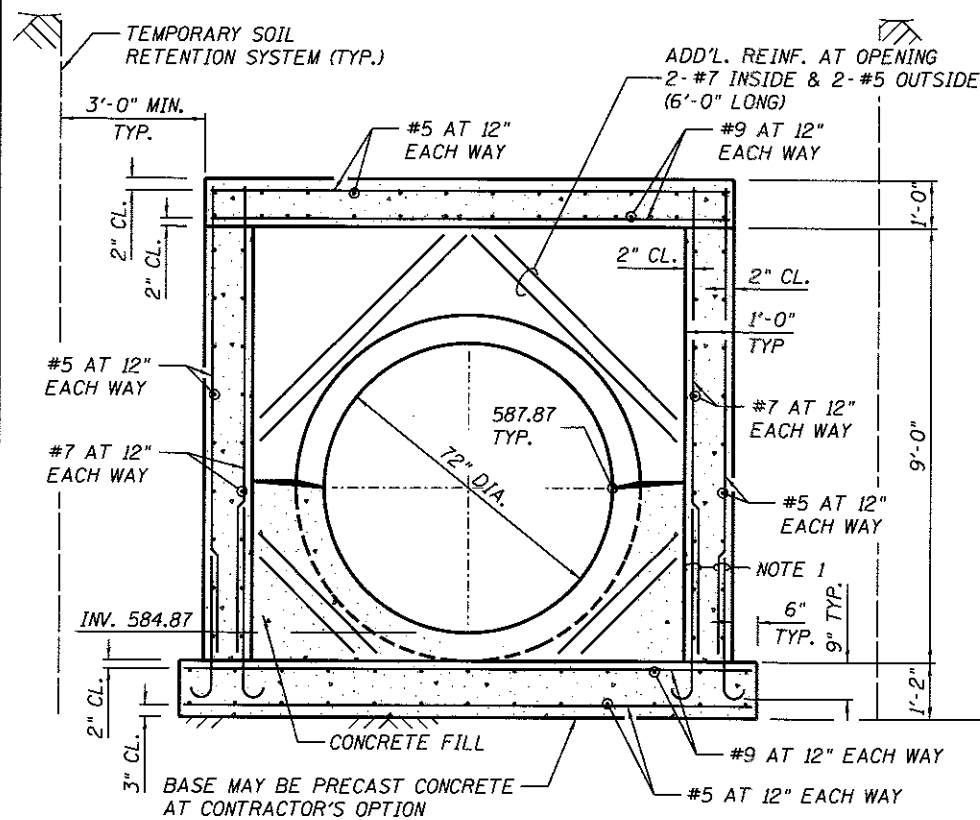
**MANHOLE SPECIAL NO. A1
REINFORCEMENT PLAN AT TOP SLAB**

NOT TO SCALE



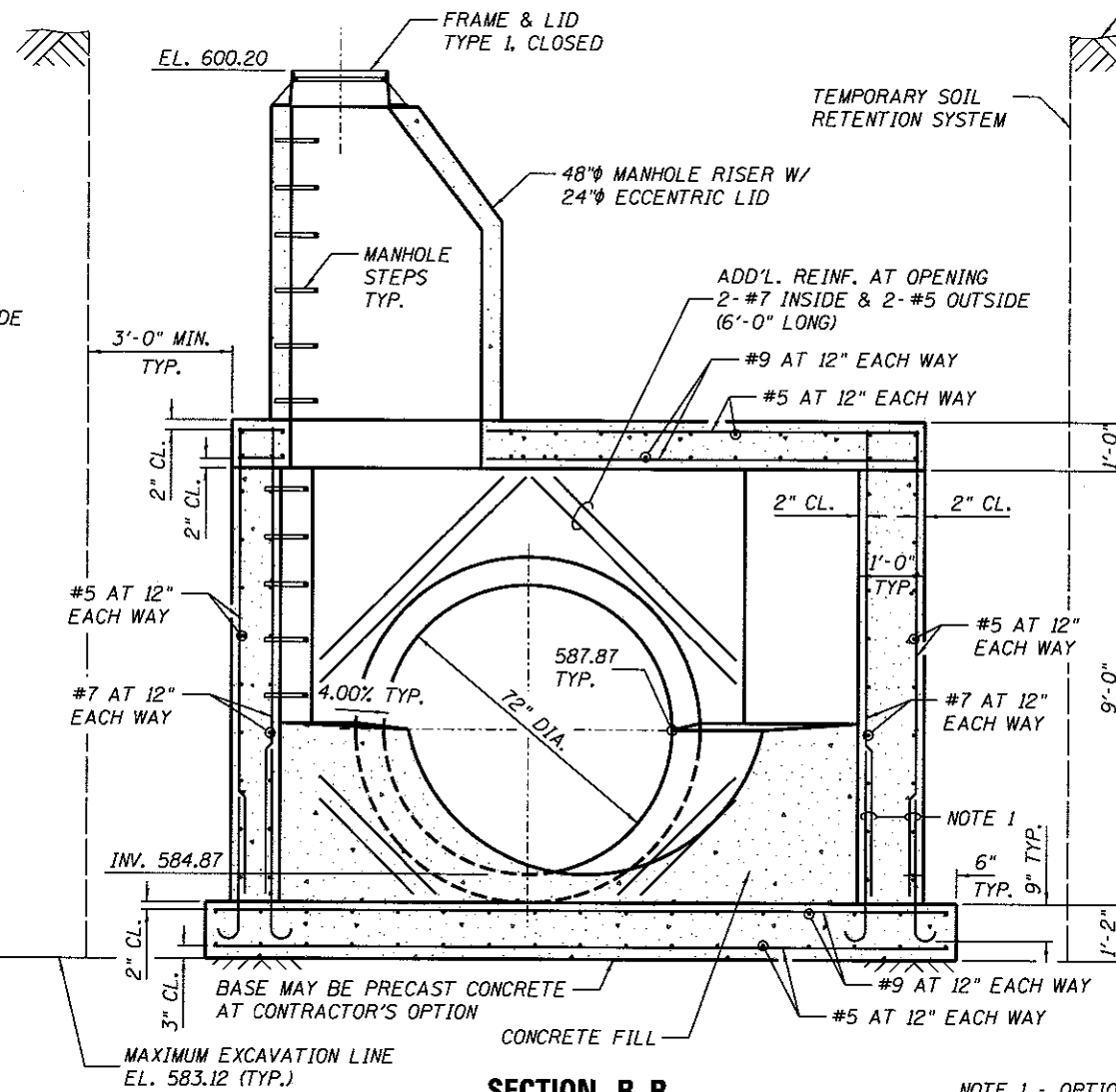
BAR DETAIL
(VERTICAL WALL REINFORCEMENT)

NOTE: SEE STANDARD 602701 FOR DETAILS OF MANHOLE STEPS.



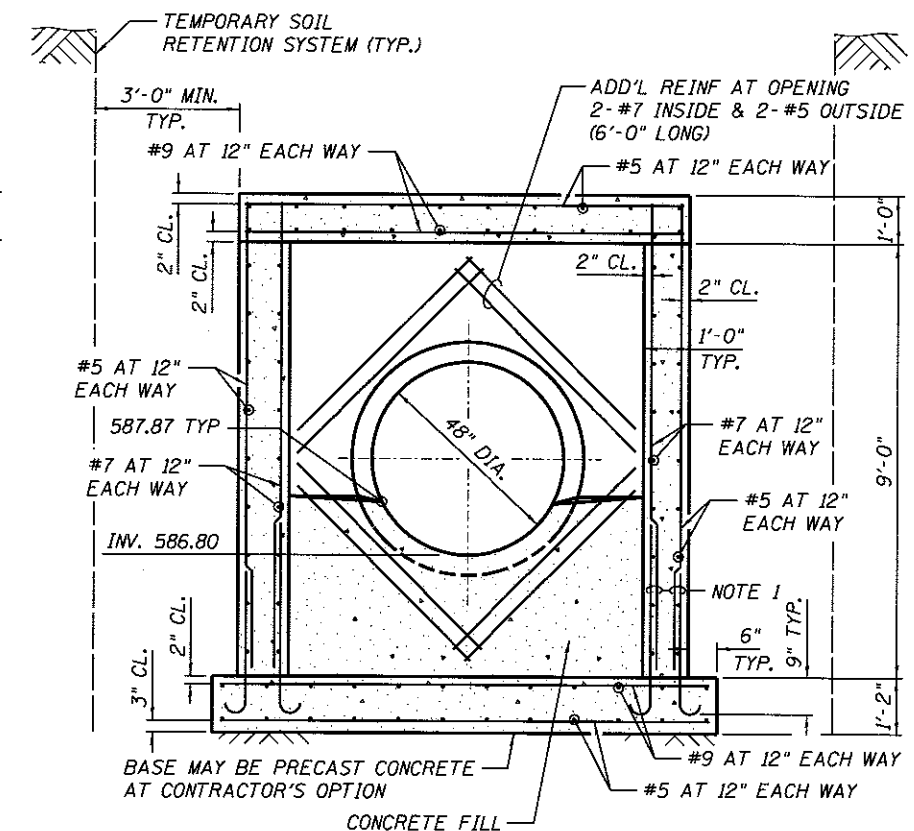
SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE



SECTION C-C

NOT TO SCALE

NOTE 1 - OPTIONAL BAR SPLICES
LAP #7 3'-5" INSIDE
LAP #5 2'-2" OUTSIDE

FINAL
DESIGNED - JWM 1/20/2015
DRAWN - CLG/RDH 2/20/2015
REVIEWED - MM 10/17/2015

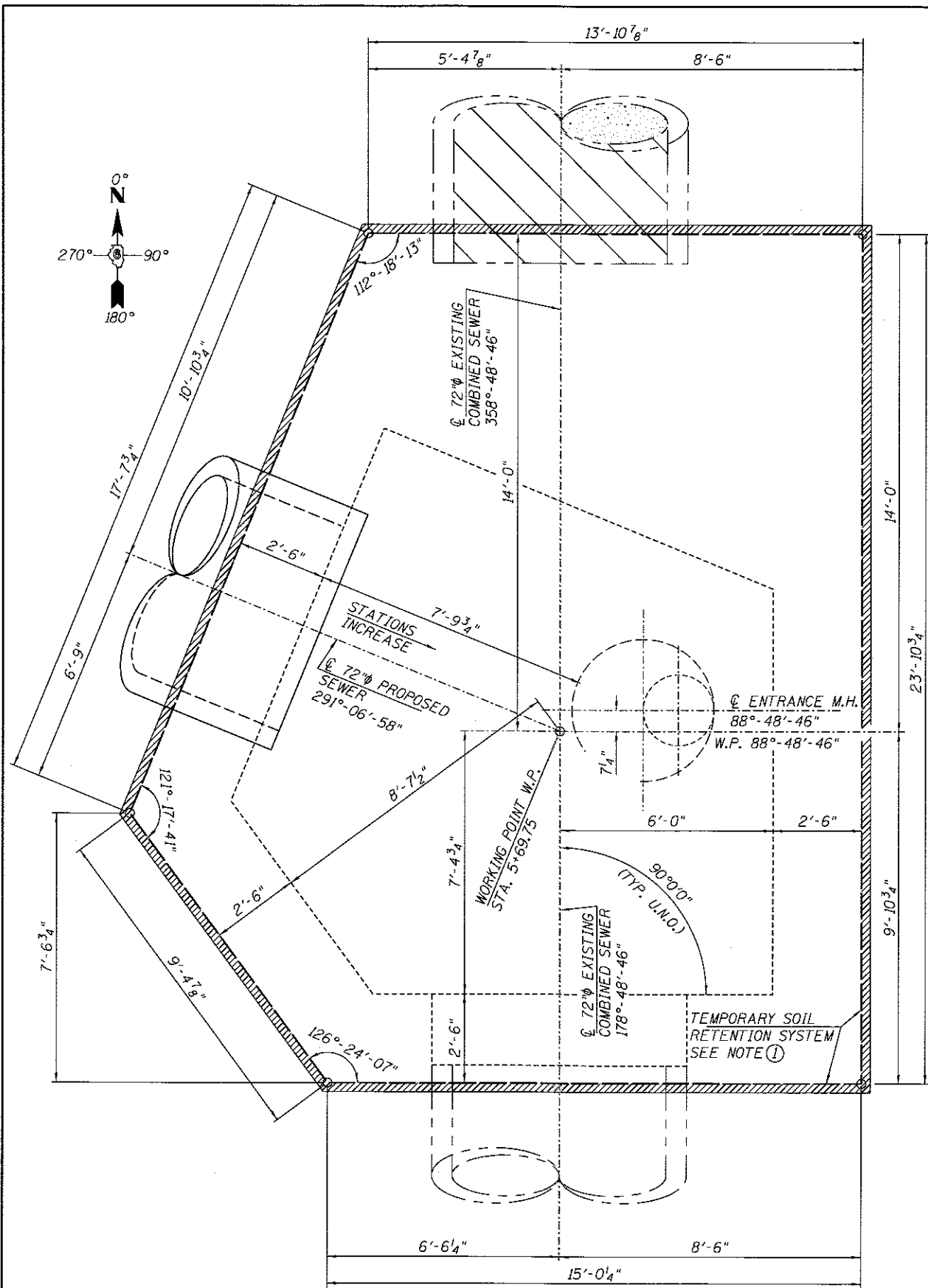
FILE NAME = 09L0179B-SpecialStructures-Drainage	USER NAME = pop8275	DESIGNED - JWM	REVISED -
		DRAWN - CLG/RDH	REVISED -
		CHECKED - JWM/MM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

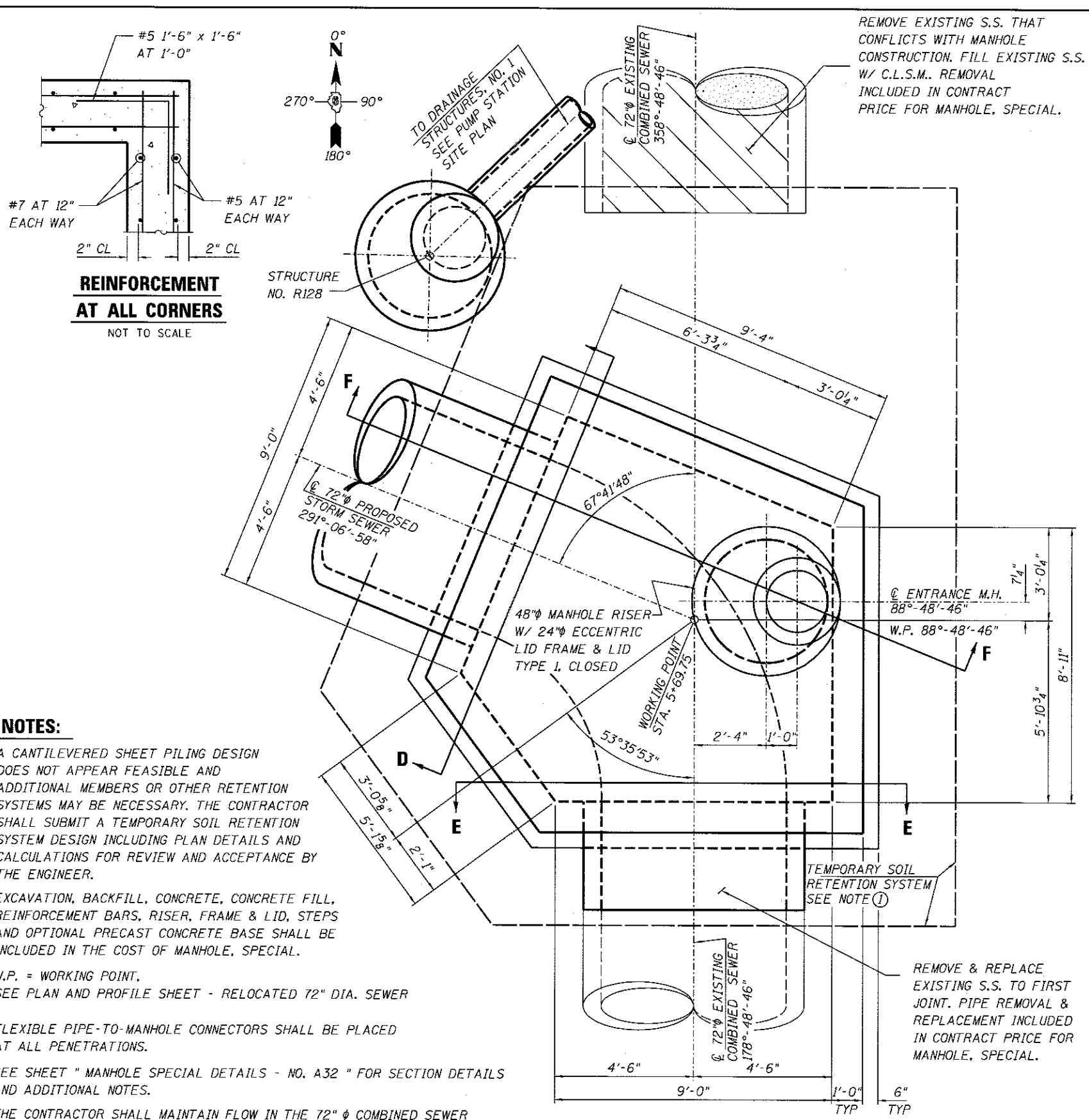
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
MANHOLE SPECIAL - NO. A1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	163
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.



MANHOLE SPECIAL - NO. A32 STA 5+69.75
NOT TO SCALE



MANHOLE SPECIAL - NO. A32 STA 5+69.75
NOT TO SCALE

- NOTES:**
- ① A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
 - ② EXCAVATION, BACKFILL, CONCRETE, CONCRETE FILL, REINFORCEMENT BARS, RISER, FRAME & LID, STEPS AND OPTIONAL PRECAST CONCRETE BASE SHALL BE INCLUDED IN THE COST OF MANHOLE, SPECIAL.
 - ③ W.P. = WORKING POINT. SEE PLAN AND PROFILE SHEET - RELOCATED 72" DIA. SEWER
 - ④ FLEXIBLE PIPE-TO-MANHOLE CONNECTORS SHALL BE PLACED AT ALL PENETRATIONS.
 - ⑤ SEE SHEET "MANHOLE SPECIAL DETAILS - NO. A32" FOR SECTION DETAILS AND ADDITIONAL NOTES.
 - ⑥ THE CONTRACTOR SHALL MAINTAIN FLOW IN THE 72" φ COMBINED SEWER THROUGHOUT CONSTRUCTION INCLUDING PIPED CONVEYANCE OF LOW FLOW (WASTE WATER) THROUGH THE MANHOLE EXCAVATION.
 - ⑦ PIPE TO MANHOLE CONNECTORS SHALL BE A-LOK TYPE CAST IN THE CONCRETE.
 - ⑧ FOLLOWING INSTALLATION OF ALL PIPES, CONCRETE TROUGHS SHALL BE CONSTRUCTED IN THE BOTTOM OF THE MANHOLE TO ENSURE LAMINAR FLOW THROUGH THE STRUCTURE.

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG/RDH 7/20/2015
REVIEWED: MNM 07/17/2015

FILE NAME = 09L01798-Special.Structures.Drainage	USER NAME = pop8275	DESIGNED - JWM	REVISED -
PLOT SCALE = 0.166667 ' / in.	CHECKED - JWM/MNM	DRAWN - CLG/RDH	REVISED -
PLOT DATE = 2/24/2017	DATE -	CHECKED - JWM/MNM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
MANHOLE SPECIAL - NO. A32

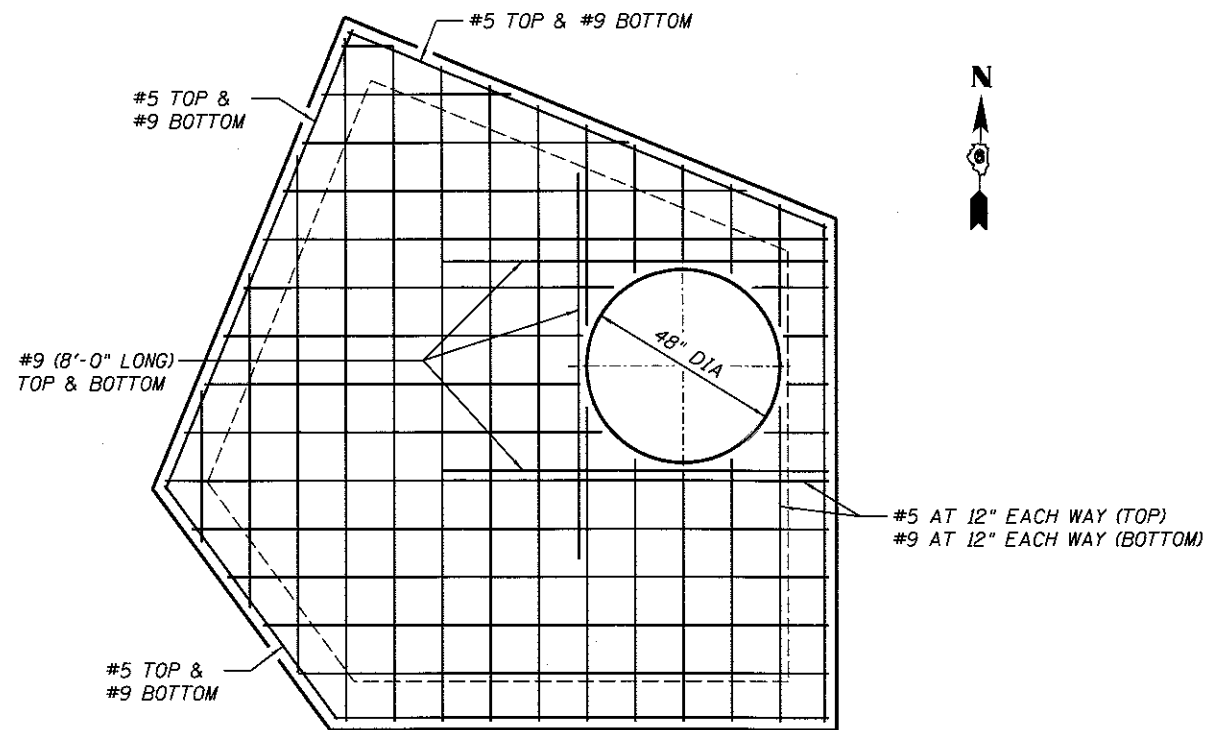
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	164
	09L01798			CONTRACT NO. 93704

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

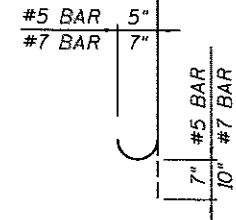


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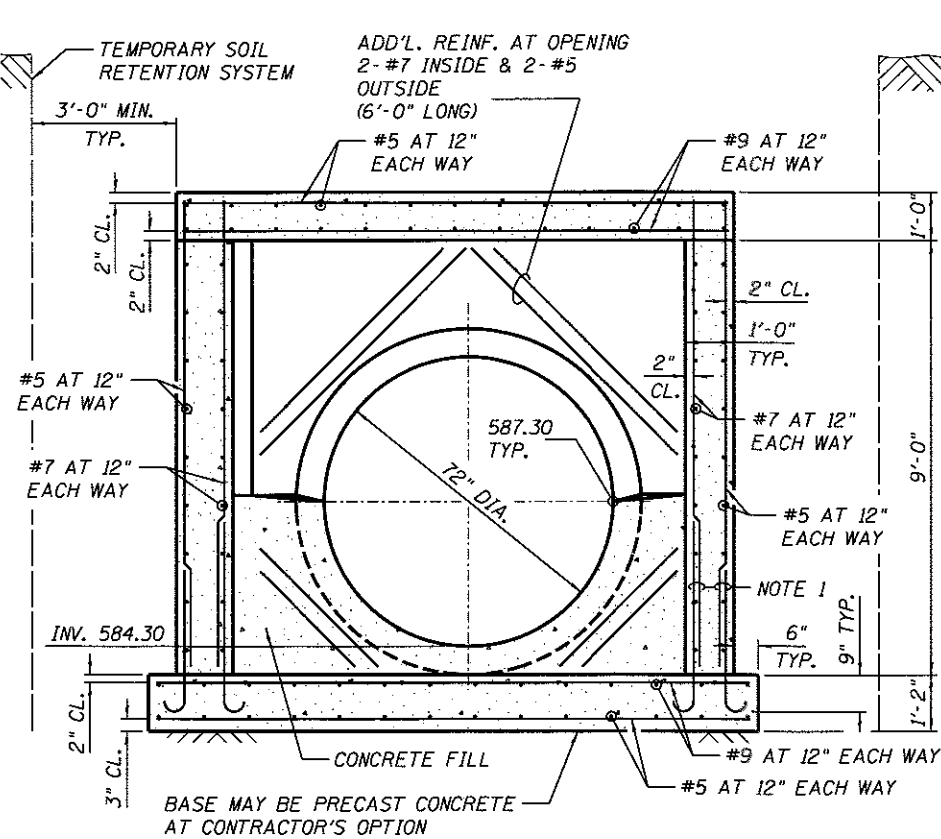
**MANHOLE SPECIAL NO. A32
REINFORCEMENT PLAN AT TOP SLAB**

NOT TO SCALE



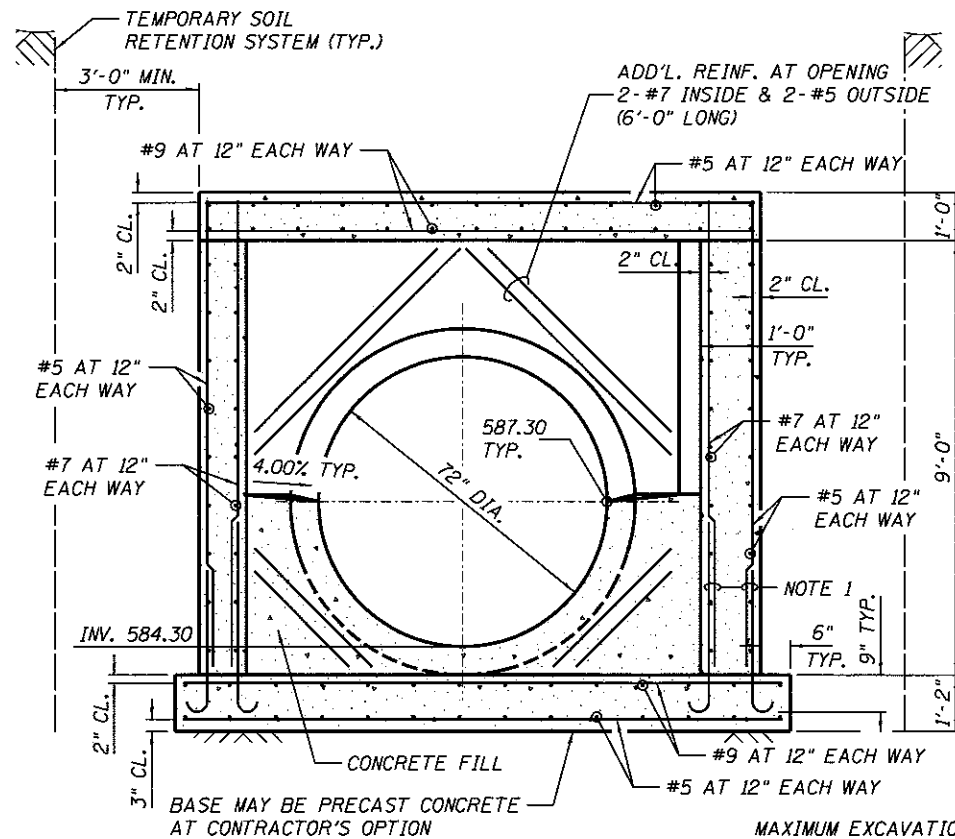
BAR DETAIL
(VERTICAL WALL REINFORCEMENT)

NOTE: SEE STANDARD 602701 FOR DETAILS OF MANHOLE STEPS.



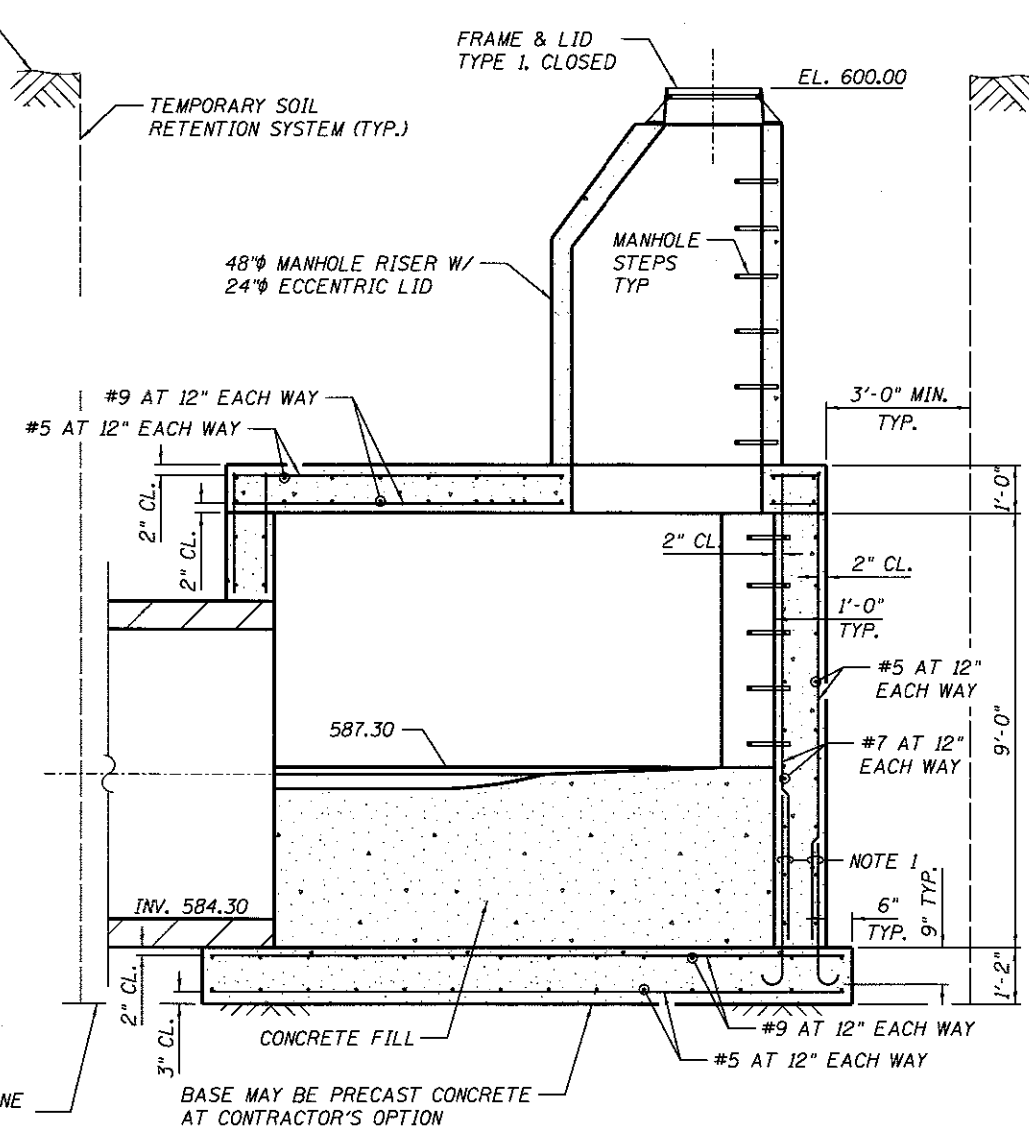
SECTION D-D

NOT TO SCALE



SECTION E-E

NOT TO SCALE



SECTION F-F

NOT TO SCALE

NOTE 1 - OPTIONAL BAR SPLICES
LAP #7 3'-5" INSIDE
LAP #5 2'-2" OUTSIDE

FINAL
DESIGNED JWM 7/20/2015
DRAWN CLG/RDH 7/20/2015
REVIEWED MAM 10/17/2015

FILE NAME =	09L01798-Special_Structures_Drainage
USER NAME =	pop0275
DESIGNED -	JWM
DRAWN -	CLG/RDH
CHECKED -	JWM/MNM
DATE -	2/24/2017

DESIGNED -	JWM
DRAWN -	CLG/RDH
CHECKED -	JWM/MNM
DATE -	2/24/2017

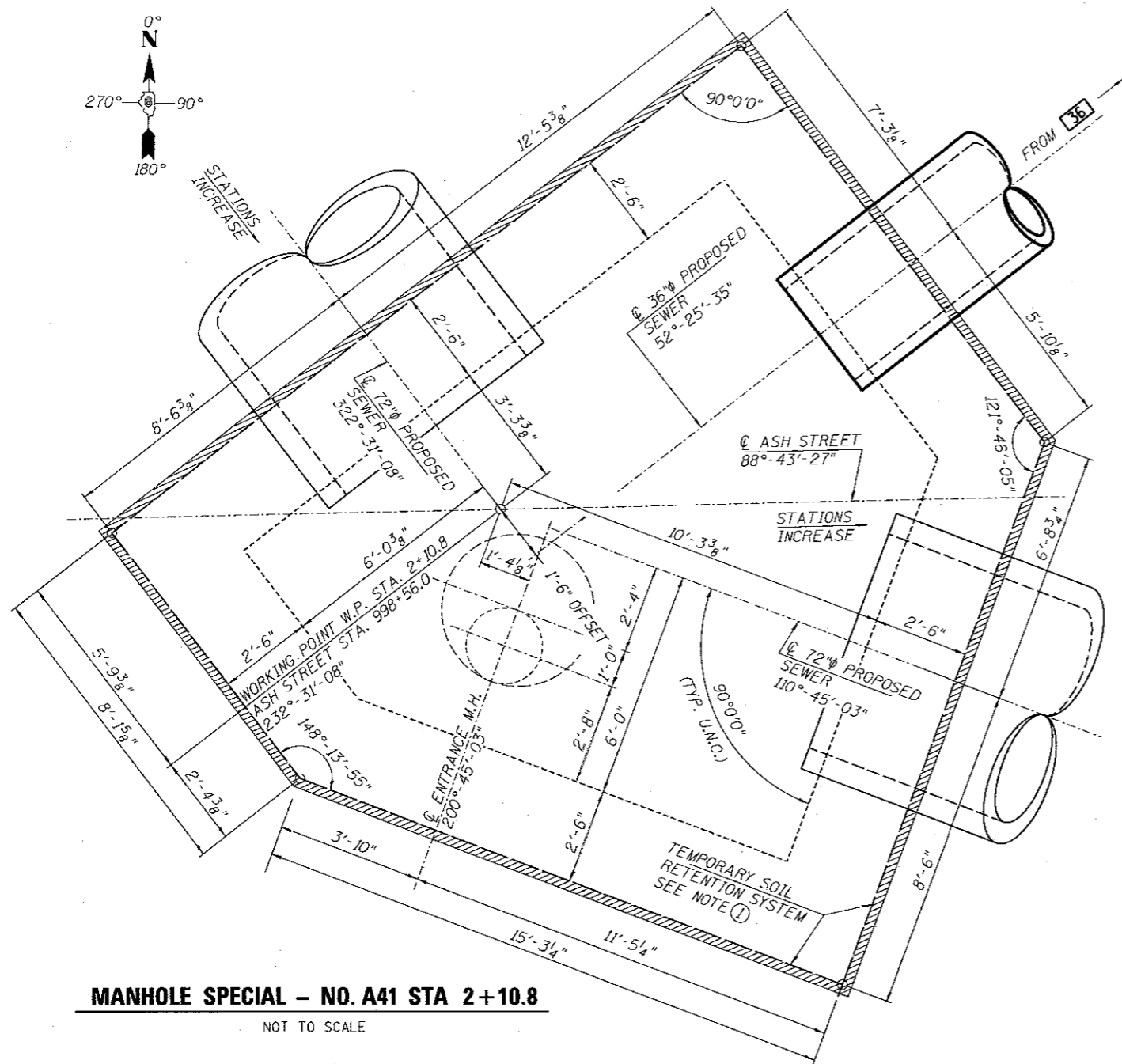
REVIS	-
REVIS	-
REVIS	-
REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
MANHOLE SPECIAL - NO. A32

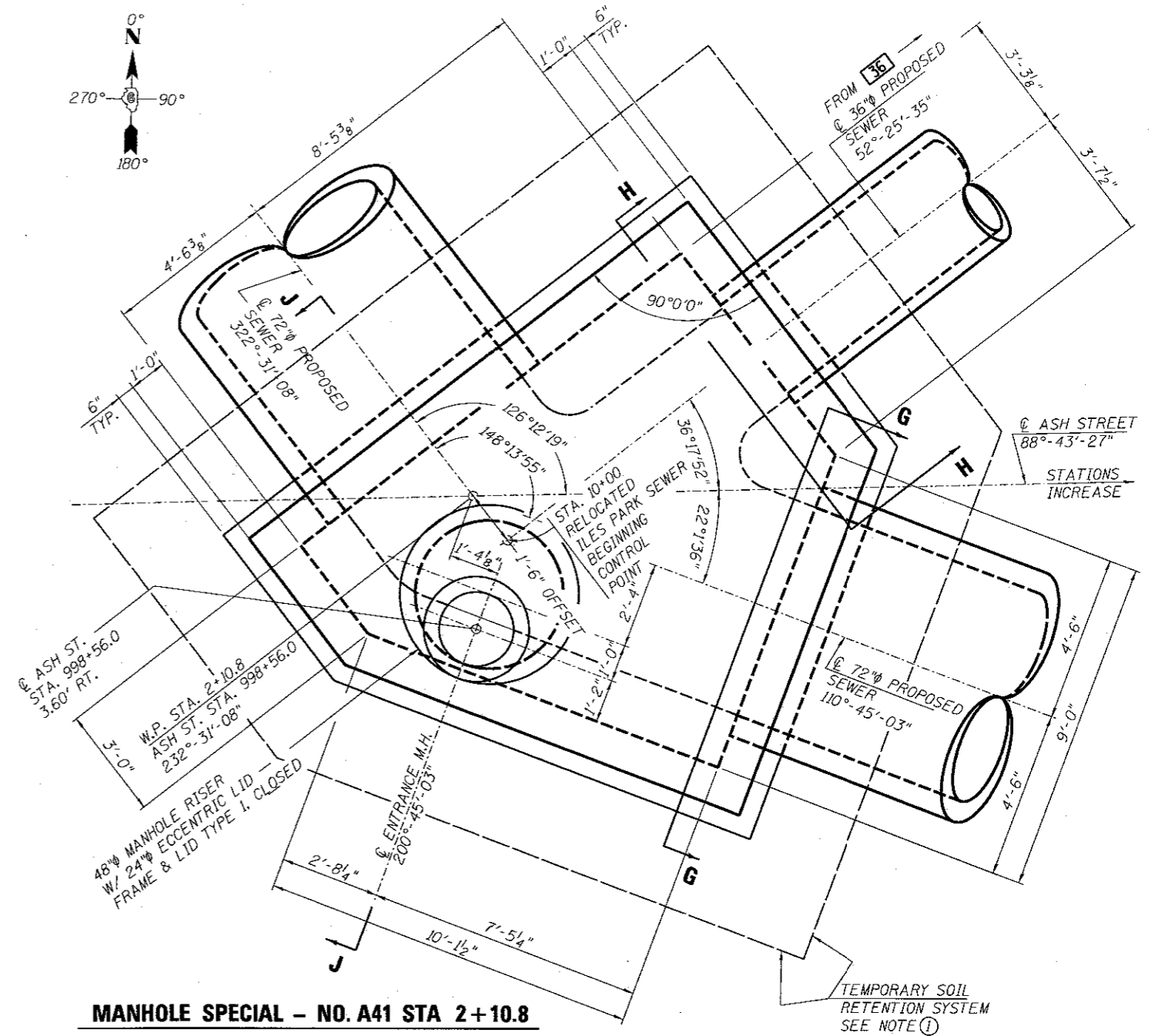
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	165
	09L01798			CONTRACT NO. 93704
				ILLINOIS FED. AID PROJECT



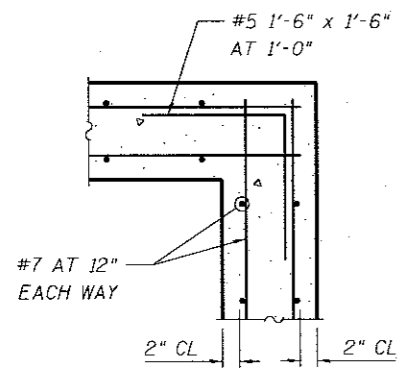
MANHOLE SPECIAL – NO. A41 STA 2+10.8

NOT TO SCALE



MANHOLE SPECIAL – NO. A41 STA 2+10.8

NOT TO SCALE



REINFORCEMENT AT ALL CORNERS

NOT TO SCALE

NOTES:

- ① A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
- ② EXCAVATION, BACKFILL, CONCRETE, CONCRETE FILL, REINFORCEMENT BARS, RISER, FRAME & LID, STEPS AND OPTIONAL PRECAST CONCRETE BASE SHALL BE INCLUDED IN THE COST OF MANHOLE, SPECIAL.
- ③ W.P. = WORKING POINT. SEE PLAN AND PROFILE SHEET - RELOCATED 72" DIA. SEWER
- ④ FLEXIBLE PIPE-TO-MANHOLE CONNECTORS SHALL BE PLACED AT ALL PENETRATIONS.
- ⑤ SEE SHEET " MANHOLE SPECIAL DETAILS -NO. A41" FOR SECTION DETAILS AND ADDITIONAL NOTES.
- ⑥ PIPE TO MANHOLE CONNECTORS SHALL BE A-LOK TYPE CAST IN THE CONCRETE.
- ⑦ FOLLOWING INSTALLATION OF ALL PIPES, CONCRETE TROUGHS SHALL BE CONSTRUCTED IN THE BOTTOM OF THE MANHOLE TO ENSURE LAMINAR FLOW THROUGH THE STRUCTURE.

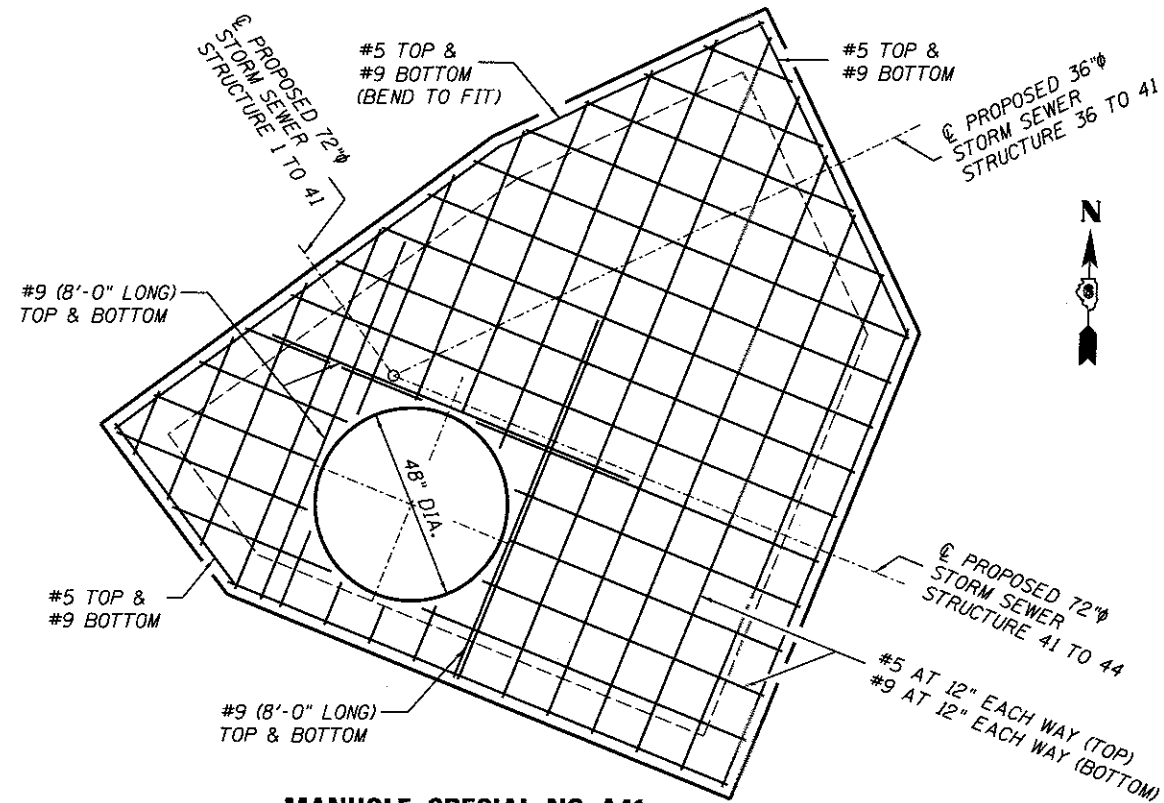
FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG/RDH 20/2015
REVIEWED: MNM 10/11/2016

FILE NAME = 09L0179B-Special_Structures_Drainage	USER NAME = Johns00944	DESIGNED - JWM	REVISED -
PLOT SCALE = 0.166666 1/4" = 1'	CHECKED - JWM/MNM	DRAWN - CLG/RDH	REVISED -
PLOT DATE = 5/28/2017	DATE -	CHECKED -	REVISED -

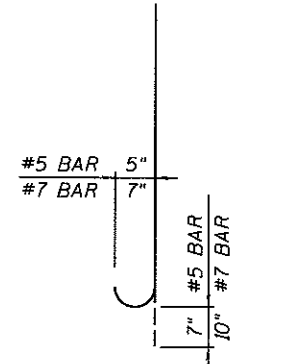
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SPRINGFIELD RAIL IMPROVEMENTS PROJECT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS			14-00477-00-BR	SANGAMON	403	166
MANHOLE SPECIAL – NO. A41		SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	

CONTRACT NO. 93704	ILLINOIS FED. AID PROJECT
--------------------	---------------------------



**MANHOLE SPECIAL NO. A41
REINFORCEMENT PLAN AT TOP SLAB**
NOT TO SCALE

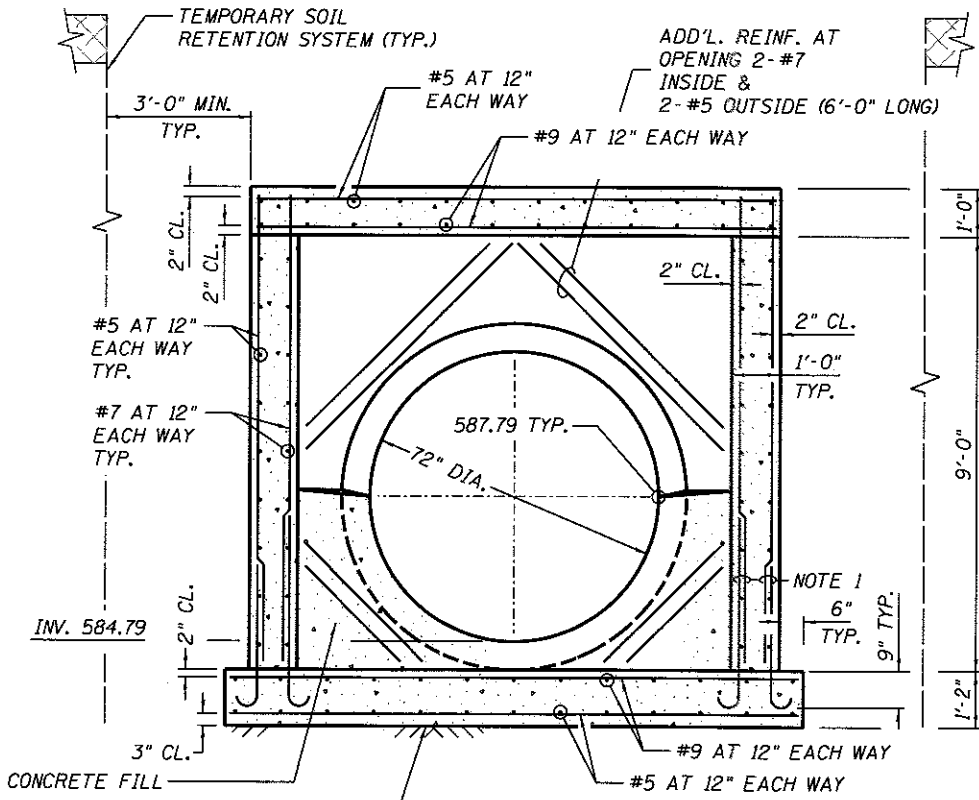


BAR DETAIL
(VERTICAL WALL REINFORCEMENT)

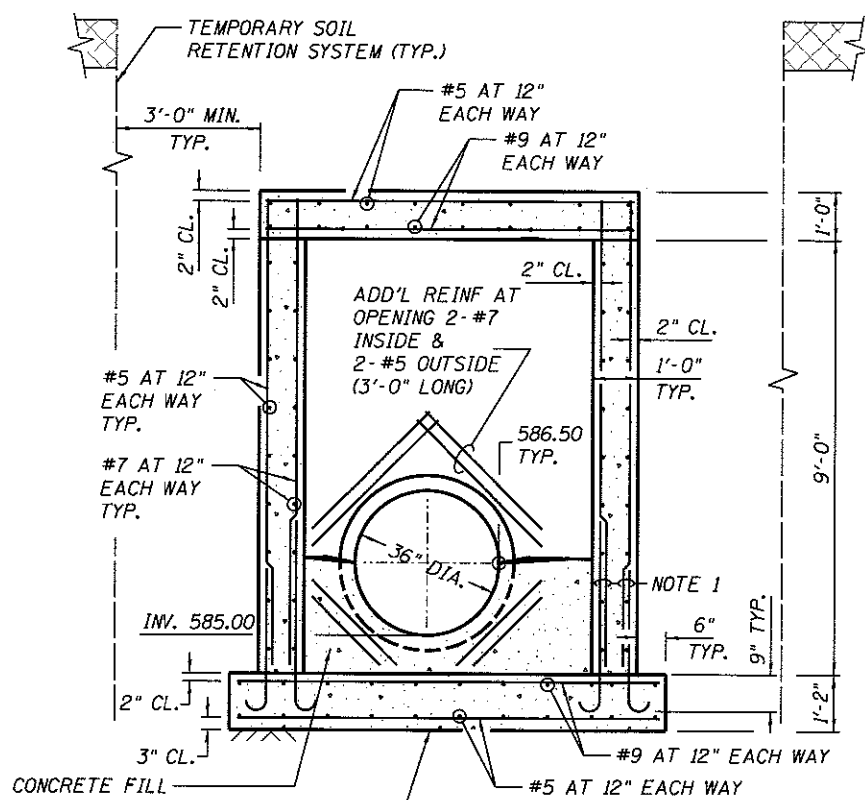
NOTE: SEE STANDARD 602701 FOR DETAILS OF MANHOLE STEPS.

EXISTING PAVEMENT SURFACE - EL 601.70'
PROPOSED PAVEMENT SURFACE / TOP OF
SOIL RETENTION SYSTEM - EL 600.30

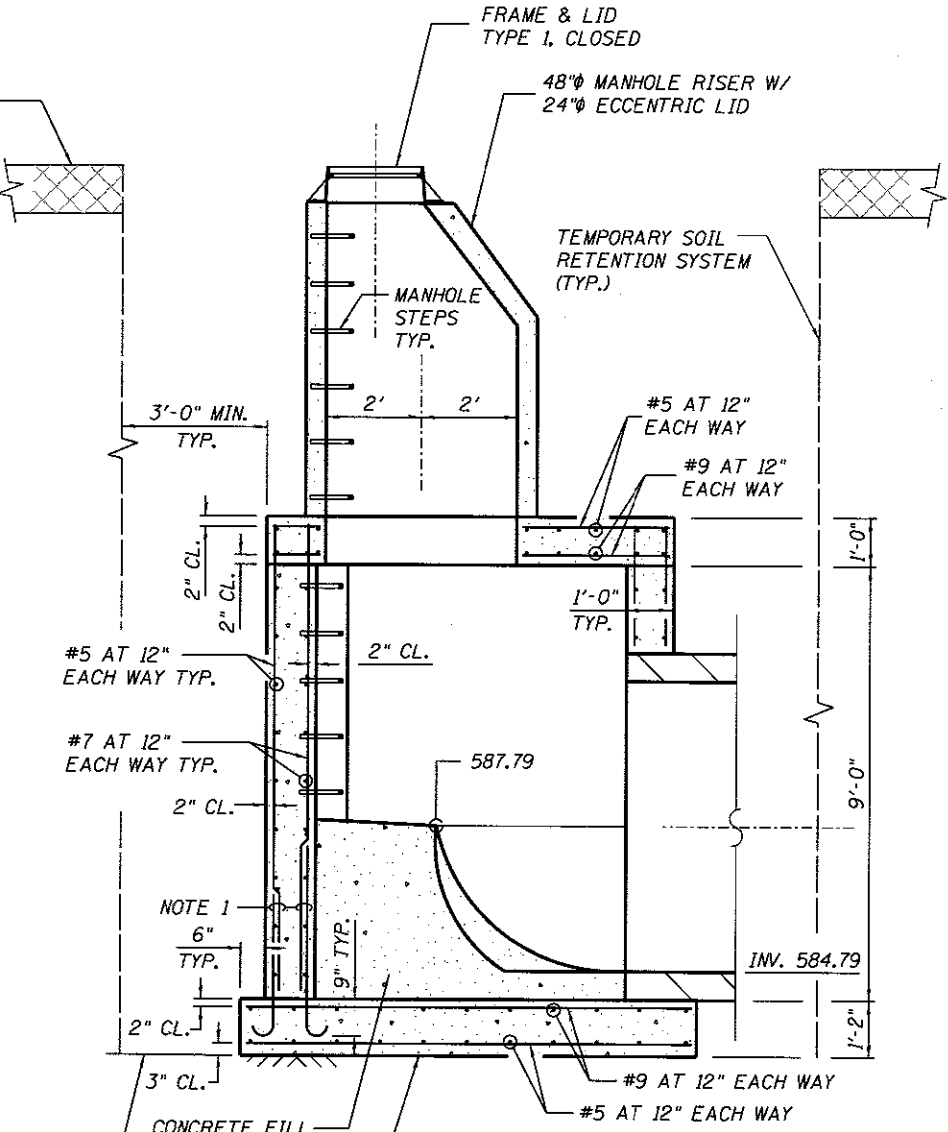
NOTE 1 - OPTIONAL BAR SPLICES
LAP #7 3'-5" INSIDE
LAP #5 2'-2" OUTSIDE



SECTION G-G
NOT TO SCALE



SECTION H-H
NOT TO SCALE



SECTION J-J
NOT TO SCALE

BASE MAY BE PRECAST CONCRETE AT CONTRACTOR'S OPTION

BASE MAY BE PRECAST CONCRETE AT CONTRACTOR'S OPTION

BASE MAY BE PRECAST CONCRETE AT CONTRACTOR'S OPTION

DESIGNED - JWM 11/20/2015
DRAWN - CLG/RDH 11/20/2015
REVIEWED - MNM 10/11/2015
Sheet 6

FILE NAME =	USER NAME = pap02275	DESIGNED - JWM	REVISED -
89L01798-Special_Structures_Drainage		DRAWN - CLG/RDH	REVISED -
PLOT SCALE = 0.166667' / 1"		CHECKED - JWM/MNM	REVISED -
PLOT DATE = 2/24/2017		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

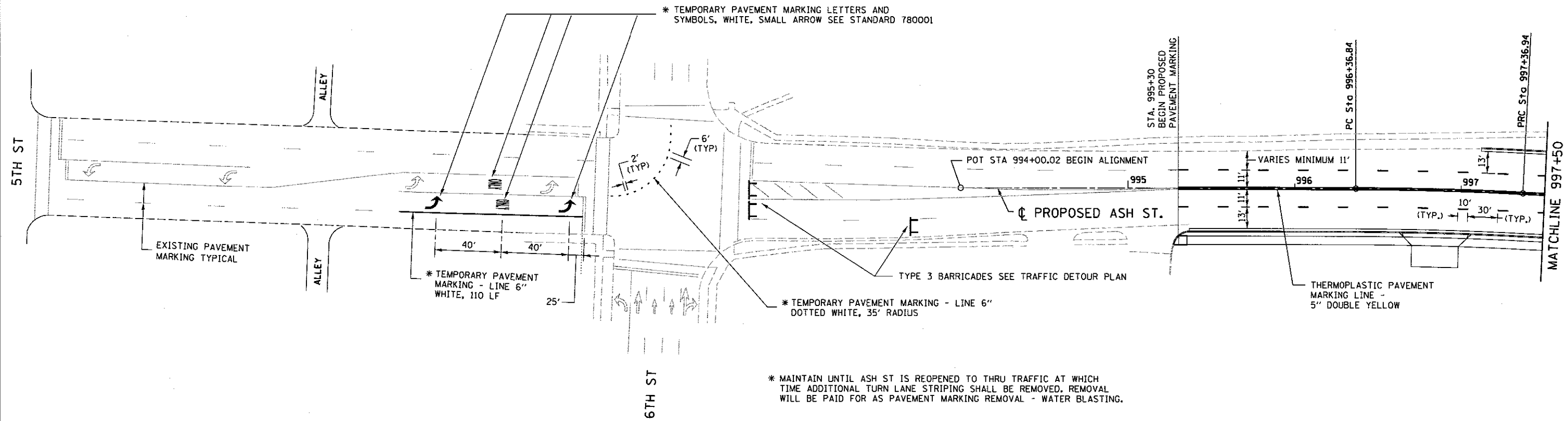
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
MANHOLE SPECIAL - NO. A41**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	167
	09L01798			CONTRACT NO. 93704
[ILLINOIS] FED. AID PROJECT				

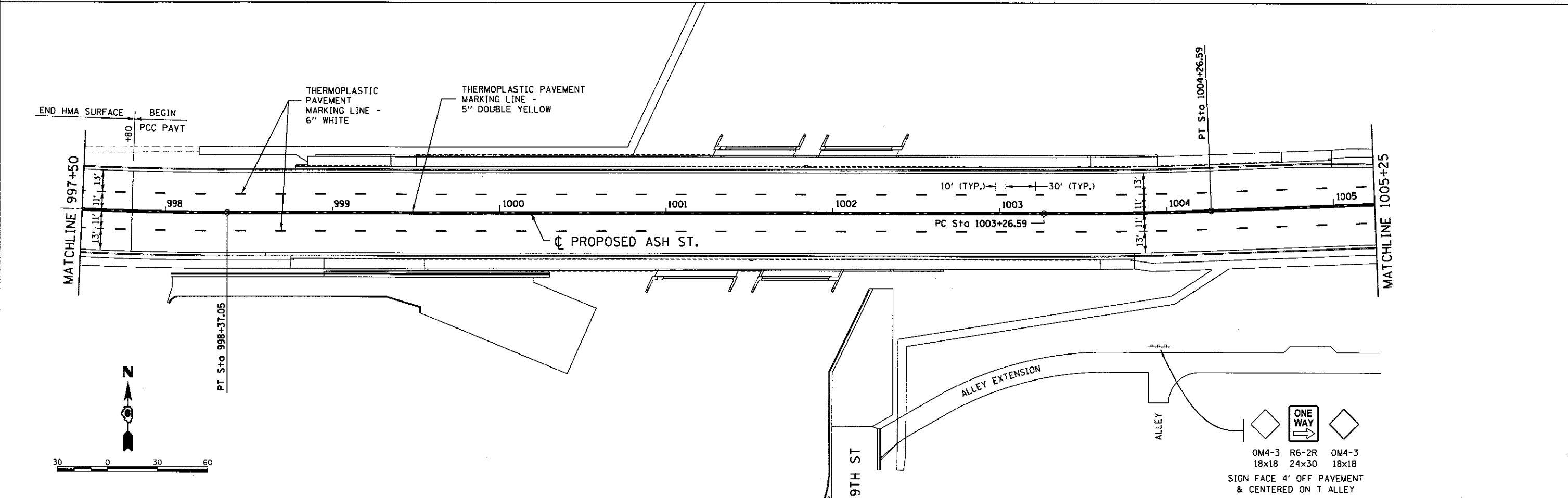
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.



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* MAINTAIN UNTIL ASH ST IS REOPENED TO THRU TRAFFIC AT WHICH TIME ADDITIONAL TURN LANE STRIPING SHALL BE REMOVED. REMOVAL WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.



FINAL
DESIGNED JUN 17/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 8/17/2015

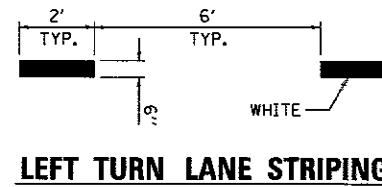
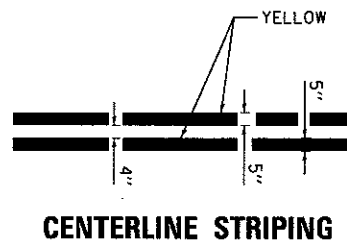
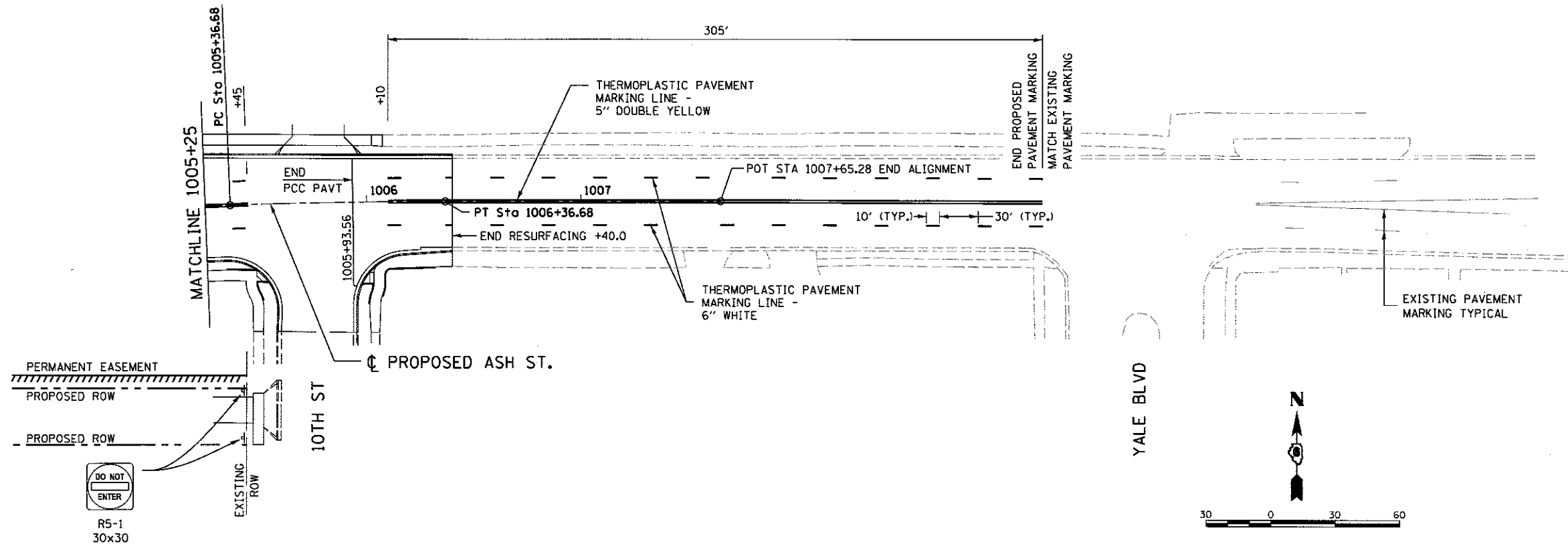
FILE NAME = D689L0179B-ahk-pmk-ASH10-001.dgn	USER NAME = pop09275	DESIGNED - JWM	REVISED -
		DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -
PLANT	PLOT DATE = 2/24/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PAVEMENT MARKING PLAN - ASH STREET -1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	168
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA. 1005+25



FINAL
DESIGNED JWM 7/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 10/11/2015

FILE NAME = D609L0179B-ash-pmk-ASH10-001.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -
		DRAWN - CLG	REVISED -
	PLOT SCALE = 60.0003' / 1" =	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

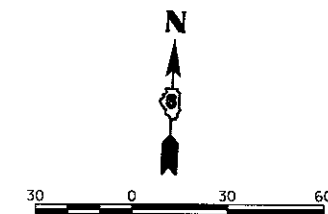
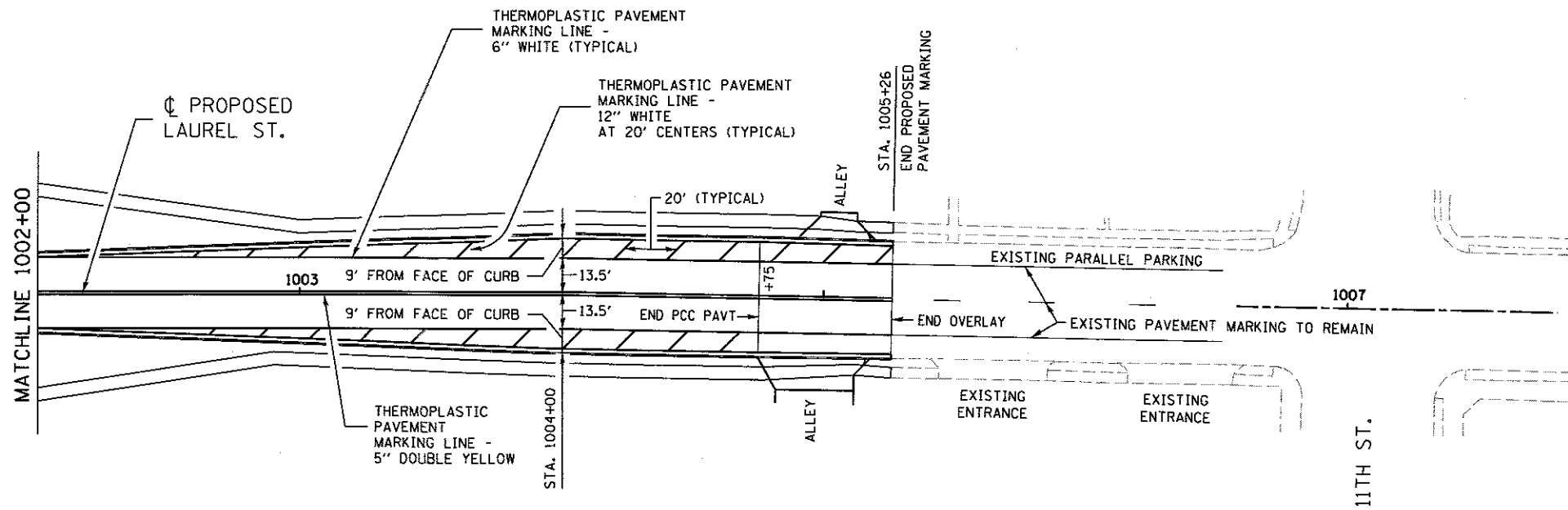
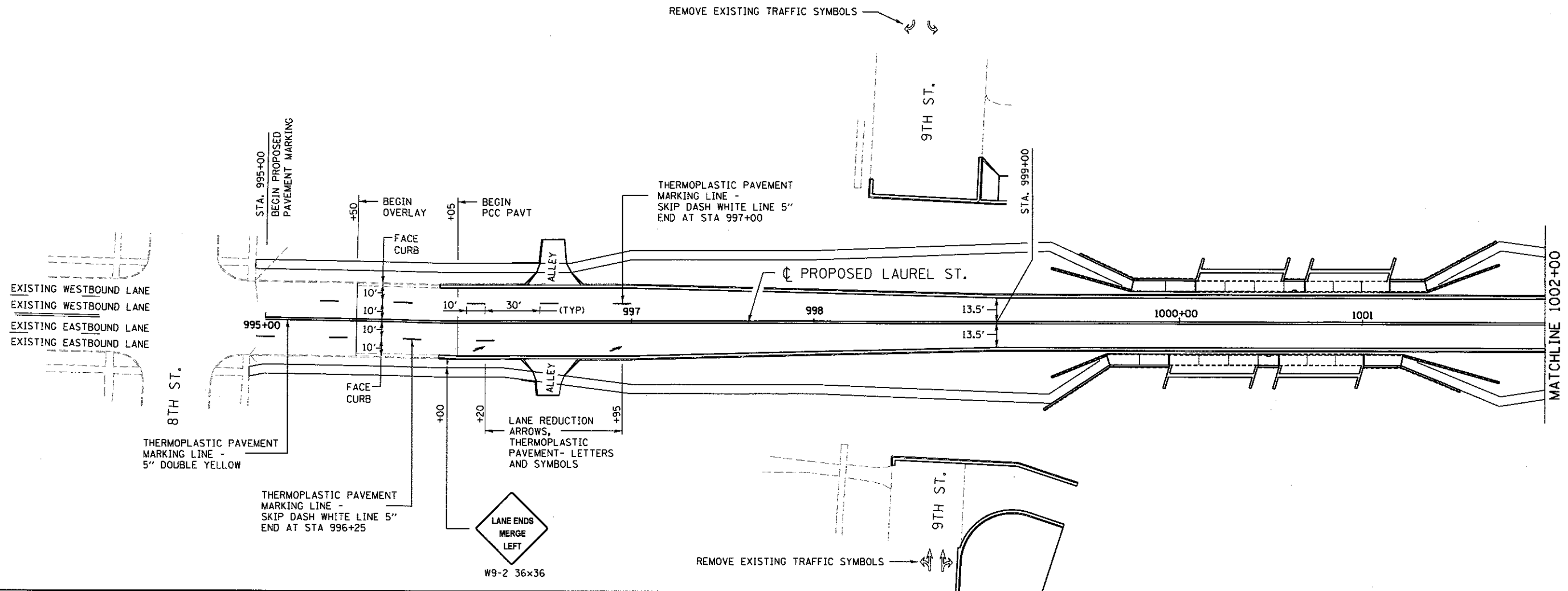
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PAVEMENT MARKING PLAN - ASH STREET -2**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	169
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 2 SHEETS STA. 1005+25 TO STA.



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FINAL
 DESIGNED - JWM 1/20/2015
 DRAWN - CLG 1/20/2015
 REVIEWED - MNM 10/11/2016

FILE NAME = 0609L01798-shr-pmk-LAUI8-01.dgn
 SHEET1

USER NAME = pop00275
 PLOT SCALE = 60.0000' / in.
 PLOT DATE = 2/24/2017

DESIGNED - JWM
 DRAWN - CLG
 CHECKED - JWM/MNM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
 SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
 PAVEMENT MARKING PLAN - LAUREL STREET

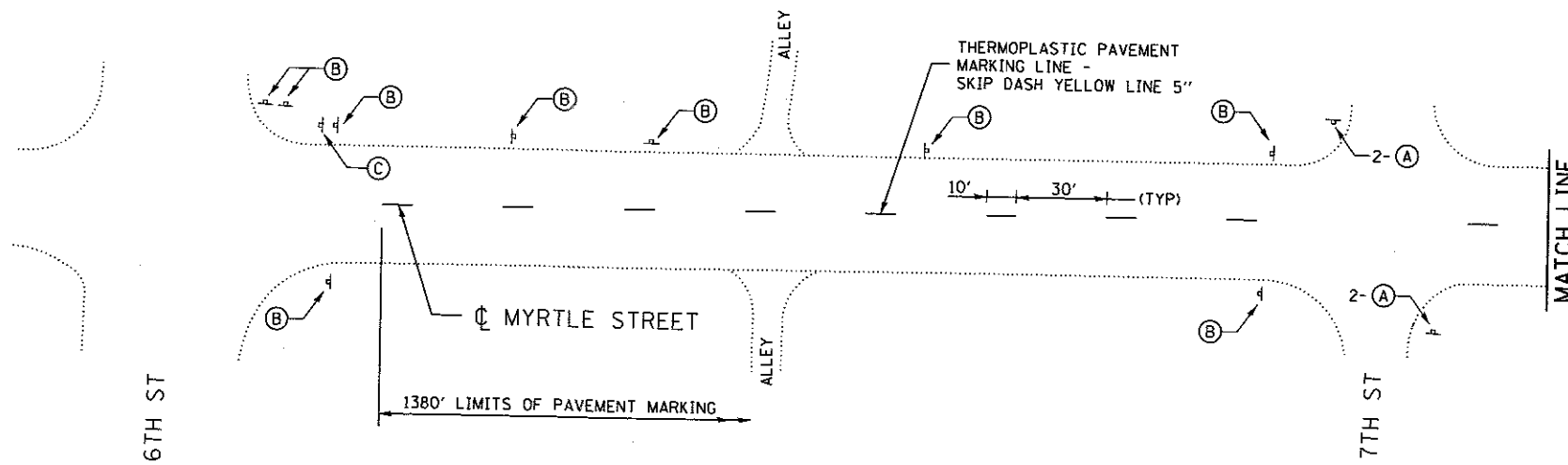
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	170
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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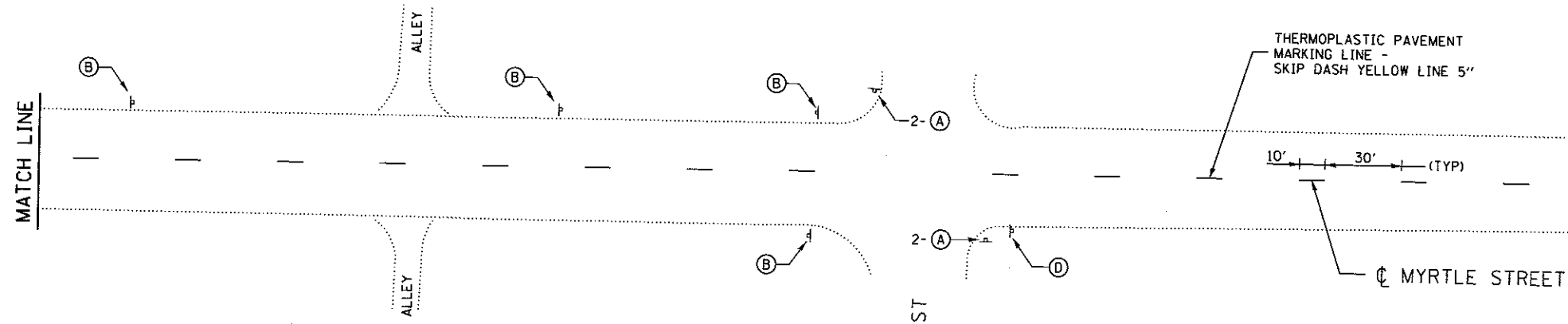
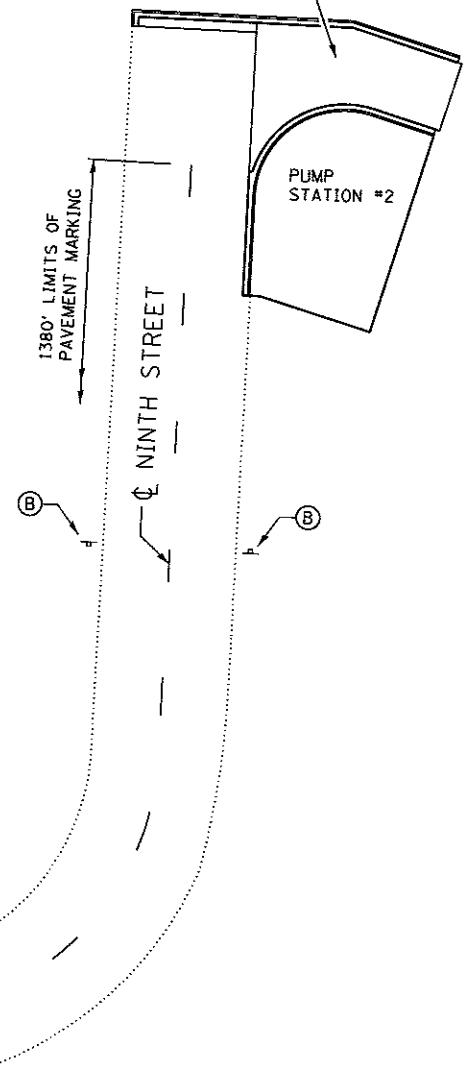
LEGEND:



LEGEND:

- (A) REMOVE SIGN PANEL
- (B) REMOVE SIGN PANEL ASSEMBLY
- (C) R1-1
- R6-2L
- (D) W14-2

SEE ENLARGED PLAN DETAIL - NINTH STREET CUL-DE-SAC (LAUREL ST.)



FINAL

DESIGNED	JWN	7/20/2015
DRAWN	CLC	7/20/2015
REVIEWED	MNM	8/11/2015

FILE NAME = D609L0179B-shl-pmk-MYRTLE-01	USER NAME = pap0275	DESIGNED - JWN	REVISED -
		DRAWN - CLC	REVISED -
		CHECKED - JWN/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PAVEMENT MARKING PLAN & TRAFFIC CONTROL - MYRTLE STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	171
	09L0179B			CONTRACT NO. 93704

ILLINOIS FED. AID PROJECT

LEGEND:

- (A) = ERECT AND MAINTAIN TEMPORARY FENCE (CHAIN LINK OR WOVEN WIRE FENCE). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (B) = ERECT AND MAINTAIN TEMPORARY CHAIN LINK FENCE (PORTABLE), STABILIZE USING SAND BAGS AS REQUIRED.
- (C) = FENCING ALONG RAILROAD ROW NOT SHOWN. SEE FENCING PLANS USABLE SEGMENT II FOR LEGEND / TYPE & CALLOUTS.

- - - - - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW
- - - - - PROPOSED FENCE, SEE FENCE LEGEND FOR TYPE

PERMANENT FENCE LEGEND

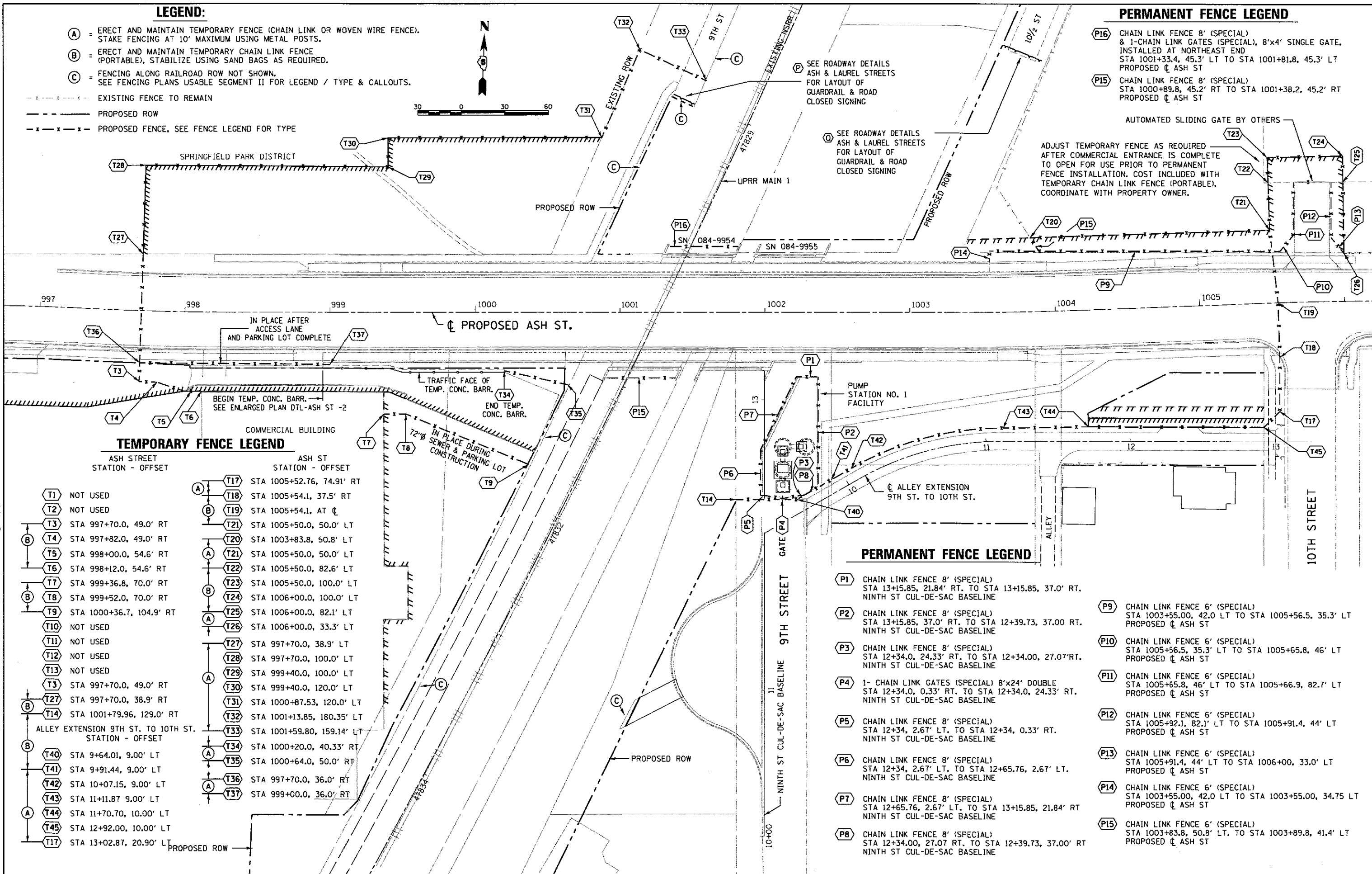
- (P16) CHAIN LINK FENCE 8' (SPECIAL) & 1-CHAIN LINK GATES (SPECIAL), 8'x4' SINGLE GATE, INSTALLED AT NORTHEAST END STA 1001+33.4, 45.3' LT TO STA 1001+81.8, 45.3' LT PROPOSED @ ASH ST
- (P15) CHAIN LINK FENCE 8' (SPECIAL) STA 1000+89.8, 45.2' RT TO STA 1001+38.2, 45.2' RT PROPOSED @ ASH ST

ADJUST TEMPORARY FENCE AS REQUIRED AFTER COMMERCIAL ENTRANCE IS COMPLETE TO OPEN FOR USE PRIOR TO PERMANENT FENCE INSTALLATION. COST INCLUDED WITH TEMPORARY CHAIN LINK FENCE (PORTABLE). COORDINATE WITH PROPERTY OWNER.

AUTOMATED SLIDING GATE BY OTHERS



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TEMPORARY FENCE LEGEND

ASH STREET STATION - OFFSET

ASH ST STATION - OFFSET

- | | |
|--|--------------------------------------|
| (T1) NOT USED | (A) (T17) STA 1005+52.76, 74.91' RT |
| (T2) NOT USED | (B) (T18) STA 1005+54.1, 37.5' RT |
| (T3) STA 997+70.0, 49.0' RT | (A) (T19) STA 1005+54.1, AT C |
| (T4) STA 997+82.0, 49.0' RT | (B) (T20) STA 1003+83.8, 50.8' LT |
| (T5) STA 998+00.0, 54.6' RT | (A) (T21) STA 1005+50.0, 50.0' LT |
| (T6) STA 998+12.0, 54.6' RT | (B) (T22) STA 1005+50.0, 82.6' LT |
| (T7) STA 999+36.8, 70.0' RT | (A) (T23) STA 1005+50.0, 100.0' LT |
| (T8) STA 999+52.0, 70.0' RT | (B) (T24) STA 1006+00.0, 100.0' LT |
| (T9) STA 1000+36.7, 104.9' RT | (A) (T25) STA 1006+00.0, 82.1' LT |
| (T10) NOT USED | (B) (T26) STA 1006+00.0, 33.3' LT |
| (T11) NOT USED | (A) (T27) STA 997+70.0, 38.9' LT |
| (T12) NOT USED | (B) (T28) STA 997+70.0, 100.0' LT |
| (T13) NOT USED | (A) (T29) STA 999+40.0, 100.0' LT |
| (T14) STA 1001+79.96, 129.0' RT | (B) (T30) STA 999+40.0, 120.0' LT |
| ALLEY EXTENSION 9TH ST. TO 10TH ST. STATION - OFFSET | (A) (T31) STA 1000+87.53, 120.0' LT |
| (T40) STA 9+64.01, 9.00' LT | (B) (T32) STA 1001+13.85, 180.35' LT |
| (T41) STA 9+91.44, 9.00' LT | (A) (T33) STA 1001+59.80, 159.14' LT |
| (T42) STA 10+07.15, 9.00' LT | (B) (T34) STA 1000+20.0, 40.33' RT |
| (T43) STA 11+11.87, 9.00' LT | (A) (T35) STA 1000+64.0, 50.0' RT |
| (T44) STA 11+70.70, 10.00' LT | (B) (T36) STA 997+70.0, 36.0' RT |
| (T45) STA 12+92.00, 10.00' LT | (A) (T37) STA 999+00.0, 36.0' RT |

PERMANENT FENCE LEGEND

- (P1) CHAIN LINK FENCE 8' (SPECIAL) STA 13+15.85, 21.84' RT. TO STA 13+15.85, 37.0' RT. NINTH ST CUL-DE-SAC BASELINE
- (P2) CHAIN LINK FENCE 8' (SPECIAL) STA 13+15.85, 37.0' RT. TO STA 12+39.73, 37.00 RT. NINTH ST CUL-DE-SAC BASELINE
- (P3) CHAIN LINK FENCE 8' (SPECIAL) STA 12+34.0, 24.33' RT. TO STA 12+34.00, 27.07' RT. NINTH ST CUL-DE-SAC BASELINE
- (P4) 1- CHAIN LINK GATES (SPECIAL) 8'x24' DOUBLE STA 12+34.0, 0.33' RT. TO STA 12+34.0, 24.33' RT. NINTH ST CUL-DE-SAC BASELINE
- (P5) CHAIN LINK FENCE 8' (SPECIAL) STA 12+34, 2.67' LT. TO STA 12+34, 0.33' RT. NINTH ST CUL-DE-SAC BASELINE
- (P6) CHAIN LINK FENCE 8' (SPECIAL) STA 12+34, 2.67' LT. TO STA 12+65.76, 2.67' LT. NINTH ST CUL-DE-SAC BASELINE
- (P7) CHAIN LINK FENCE 8' (SPECIAL) STA 12+65.76, 2.67' LT. TO STA 13+15.85, 21.84' RT NINTH ST CUL-DE-SAC BASELINE
- (P8) CHAIN LINK FENCE 8' (SPECIAL) STA 12+34.00, 27.07 RT. TO STA 12+39.73, 37.00' RT NINTH ST CUL-DE-SAC BASELINE
- (P9) CHAIN LINK FENCE 6' (SPECIAL) STA 1003+55.00, 42.0 LT TO STA 1005+56.5, 35.3' LT PROPOSED @ ASH ST
- (P10) CHAIN LINK FENCE 6' (SPECIAL) STA 1005+56.5, 35.3' LT TO STA 1005+65.8, 46' LT PROPOSED @ ASH ST
- (P11) CHAIN LINK FENCE 6' (SPECIAL) STA 1005+65.8, 46' LT TO STA 1005+66.9, 82.7' LT PROPOSED @ ASH ST
- (P12) CHAIN LINK FENCE 6' (SPECIAL) STA 1005+92.1, 82.1' LT TO STA 1005+91.4, 44' LT PROPOSED @ ASH ST
- (P13) CHAIN LINK FENCE 6' (SPECIAL) STA 1005+91.4, 44' LT TO STA 1006+00, 33.0' LT PROPOSED @ ASH ST
- (P14) CHAIN LINK FENCE 6' (SPECIAL) STA 1003+55.00, 42.0 LT TO STA 1003+55.00, 34.75 LT PROPOSED @ ASH ST
- (P15) CHAIN LINK FENCE 6' (SPECIAL) STA 1003+83.8, 50.8' LT. TO STA 1003+89.8, 41.4' LT PROPOSED @ ASH ST

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG 7/20/2015
REVIEWED: MNM 07/17/2015

FILE NAME =	USER NAME = pop0275	DESIGNED - JWM	REVISED -
D609L01798-ash-fencing-ASH10-001.dgn		DRAWN - CLG	REVISED -
PLANI	PLOT SCALE = 60.0000' / in.	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - ASH STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	172
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS | STA. 997+00 TO STA. 1006+00

TEMPORARY FENCE LEGEND

LAUREL ST
STATION - OFFSET

T40	STA 995+85.59, 31.75' RT
T41	STA 995+84.35, 34.62' LT
T42	STA 996+49.17, 33.58' LT
T43	STA 996+49.82, 46.00' LT
T44	STA 996+69.85, 46.00' LT
T45	STA 996+72.88, 104.00' LT
T46	STA 998+32.32, 104.00' LT
T47	STA 998+90.17, 103.11' LT
T48	STA 999+01.95, 90.00' LT
T49	STA 999+98.11, 90.00' LT

TEMPORARY FENCE LEGEND

LAUREL ST
STATION - OFFSET

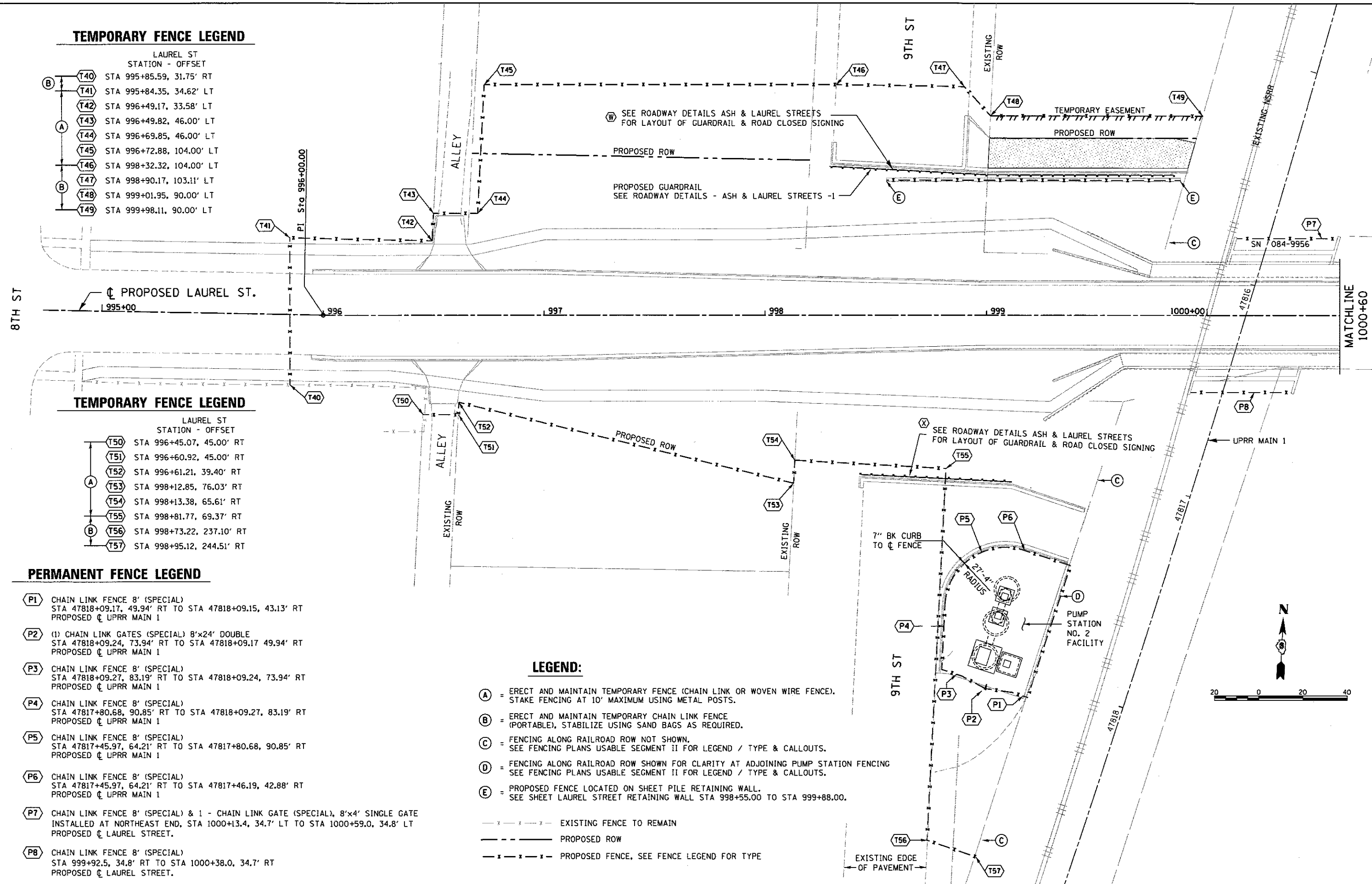
T50	STA 996+45.07, 45.00' RT
T51	STA 996+60.92, 45.00' RT
T52	STA 996+61.21, 39.40' RT
T53	STA 998+12.85, 76.03' RT
T54	STA 998+13.38, 65.61' RT
T55	STA 998+81.77, 69.37' RT
T56	STA 998+73.22, 237.10' RT
T57	STA 998+95.12, 244.51' RT

PERMANENT FENCE LEGEND

- P1 CHAIN LINK FENCE 8' (SPECIAL)
STA 47818+09.17, 49.94' RT TO STA 47818+09.15, 43.13' RT
PROPOSED ϕ UPRR MAIN 1
- P2 (1) CHAIN LINK GATES (SPECIAL) 8'x24' DOUBLE
STA 47818+09.24, 73.94' RT TO STA 47818+09.17 49.94' RT
PROPOSED ϕ UPRR MAIN 1
- P3 CHAIN LINK FENCE 8' (SPECIAL)
STA 47818+09.27, 83.19' RT TO STA 47818+09.24, 73.94' RT
PROPOSED ϕ UPRR MAIN 1
- P4 CHAIN LINK FENCE 8' (SPECIAL)
STA 47817+80.68, 90.85' RT TO STA 47818+09.27, 83.19' RT
PROPOSED ϕ UPRR MAIN 1
- P5 CHAIN LINK FENCE 8' (SPECIAL)
STA 47817+45.97, 64.21' RT TO STA 47817+80.68, 90.85' RT
PROPOSED ϕ UPRR MAIN 1
- P6 CHAIN LINK FENCE 8' (SPECIAL)
STA 47817+45.97, 64.21' RT TO STA 47817+46.19, 42.88' RT
PROPOSED ϕ UPRR MAIN 1
- P7 CHAIN LINK FENCE 8' (SPECIAL) & 1 - CHAIN LINK GATE (SPECIAL), 8'x4' SINGLE GATE
INSTALLED AT NORTHEAST END, STA 1000+13.4, 34.7' LT TO STA 1000+59.0, 34.8' LT
PROPOSED ϕ LAUREL STREET.
- P8 CHAIN LINK FENCE 8' (SPECIAL)
STA 999+92.5, 34.8' RT TO STA 1000+38.0, 34.7' RT
PROPOSED ϕ LAUREL STREET.

LEGEND:

- (A) = ERECT AND MAINTAIN TEMPORARY FENCE (CHAIN LINK OR WOVEN WIRE FENCE).
STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
 - (B) = ERECT AND MAINTAIN TEMPORARY CHAIN LINK FENCE (PORTABLE), STABILIZE USING SAND BAGS AS REQUIRED.
 - (C) = FENCING ALONG RAILROAD ROW NOT SHOWN.
SEE FENCING PLANS USABLE SEGMENT II FOR LEGEND / TYPE & CALLOUTS.
 - (D) = FENCING ALONG RAILROAD ROW SHOWN FOR CLARITY AT ADJOINING PUMP STATION FENCING
SEE FENCING PLANS USABLE SEGMENT II FOR LEGEND / TYPE & CALLOUTS.
 - (E) = PROPOSED FENCE LOCATED ON SHEET PILE RETAINING WALL.
SEE SHEET LAUREL STREET RETAINING WALL STA 998+55.00 TO STA 999+88.00.
- - - - - EXISTING FENCE TO REMAIN
 - - - - - PROPOSED ROW
 - - - - - PROPOSED FENCE, SEE FENCE LEGEND FOR TYPE



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FINAL
DESIGNED: JWM 7/20/2016
DRAWN: CLG 7/20/2016
REVIEWED: MNM 9/17/2016

FILE NAME =	USER NAME = pop0275	DESIGNED - JWM	REVISED -
D609L0179B-ash-Fence-LAUI0-001.dgn		DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
PLANT	DATE = 2/24/2017		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

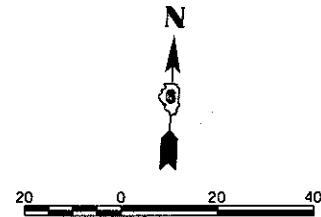
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - LAUREL STREET - 1**

SCALE: SHEET 1 OF 2 SHEETS STA. 995+00 TO STA. 1000+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	173
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



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LEGEND:

- (A) = ERECT AND MAINTAIN TEMPORARY FENCE, (CHAIN LINK OR WOVEN WIRE FENCE). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
 - (B) = ERECT AND MAINTAIN TEMPORARY CHAIN LINK FENCE (PORTABLE), STABILIZE USING SAND BAGS AS REQUIRED.
 - (C) = FENCING ALONG RAILROAD ROW NOT SHOWN. SEE FENCING PLANS USABLE SEGMENT II FOR LEGEND / TYPE & CALLOUTS.
 - (D) = AFTER THE ALLEY WIDENING IS COMPLETE AND OPEN TO TRAFFIC AND THE RETAINING WALL IS CONSTRUCTED THE EXISTING FENCE, INCLUDING ANY SALVAGED SECTIONS ALONG THE EXISTING SALON PROPERTY CAN BE RELOCATED BY OTHERS. THE FENCE SHALL BE A MINIMUM OF 7" IN FROM THE PROPOSED ROW. ALL OF THIS WORK WILL BE BY OTHERS, EXCEPT FOR THE FENCE LOCATED ON THE RETAINING WALL. THE FENCE CONNECTION TO THE RETAINING WALL FENCE WILL BE BY OTHERS. THIS CONNECTION WILL EXTEND ONTO PROPOSED ROW AND SHALL BE APPROVED BY THE FIELD ENGINEER.
 - (E) = PROPOSED FENCE LOCATED ON SHEET PILE RETAINING WALL. SEE SHEET LAUREL STREET RETAINING WALL STA 1002+94.40 TO STA 1003+90.
- - - - - EXISTING FENCE TO REMAIN
 - - - - - PROPOSED ROW
 - x - x - x - PROPOSED FENCE, SEE FENCE LEGEND FOR TYPE

(Z) SEE ROADWAY DETAILS ASH & LAUREL STREETS FOR LAYOUT OF GUARDRAIL & ROAD CLOSED SIGNING

(D) SEE ENLARGED PLAN SHEETS FOR CALLOUTS

(Y) SEE ROADWAY DETAILS ASH & LAUREL STREETS FOR LAYOUT OF GUARDRAIL & ROAD CLOSED SIGNING

TEMPORARY FENCE LEGEND

- LAUREL ST STATION - OFFSET
- (B) T72 STA 1004+80.9, 35.1' RT
 - (B) T73 STA 1004+85.0, 30.0' LT
 - (A) T74 STA 1004+98.6 40.0' LT
 - (A) T75 STA 1004+97.1, 190.1' LT
 - (B) T76 STA 1002+41.1, 192.9' LT
 - (B) T77 STA 1001+99.86, 193.59' LT
 - (A) T78 STA 1004+71.92, 35.1' RT
 - (A) T79 STA 1004+74.04, 256.1' RT
 - (A) T80 STA 1004+49.46, 281.1' RT
 - (A) T81 STA 1004+49.50, 305.1' RT

COORDINATE TEMPORARY FENCE INSTALLATION W/ PROPERTY OWNER PRIOR TO ALLEY WIDENING WORK.

MATCHLINE 1000+60

PI Sta 1004+00.00

PROPOSED LAUREL ST.

PROPOSED GUARDRAIL SEE ROADWAY DETAILS - ASH & LAUREL STREETS -1

ALLEY

ALLEY WIDENING

FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG 7/20/2015
REVIEWED: MNM 10/17/2015

FILE NAME = D609L0179B-ah-Fence-LAU10-001.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -
PLANT	PLLOT SCALE = 40.0' / 1" PLLOT DATE = 2/24/2017	DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

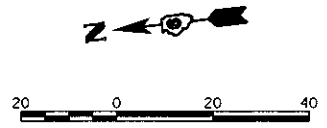
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - LAUREL STREET - 2
SCALE: SHEET 2 OF 2 SHEETS STA. 1000+60 TO STA. 1005+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	174
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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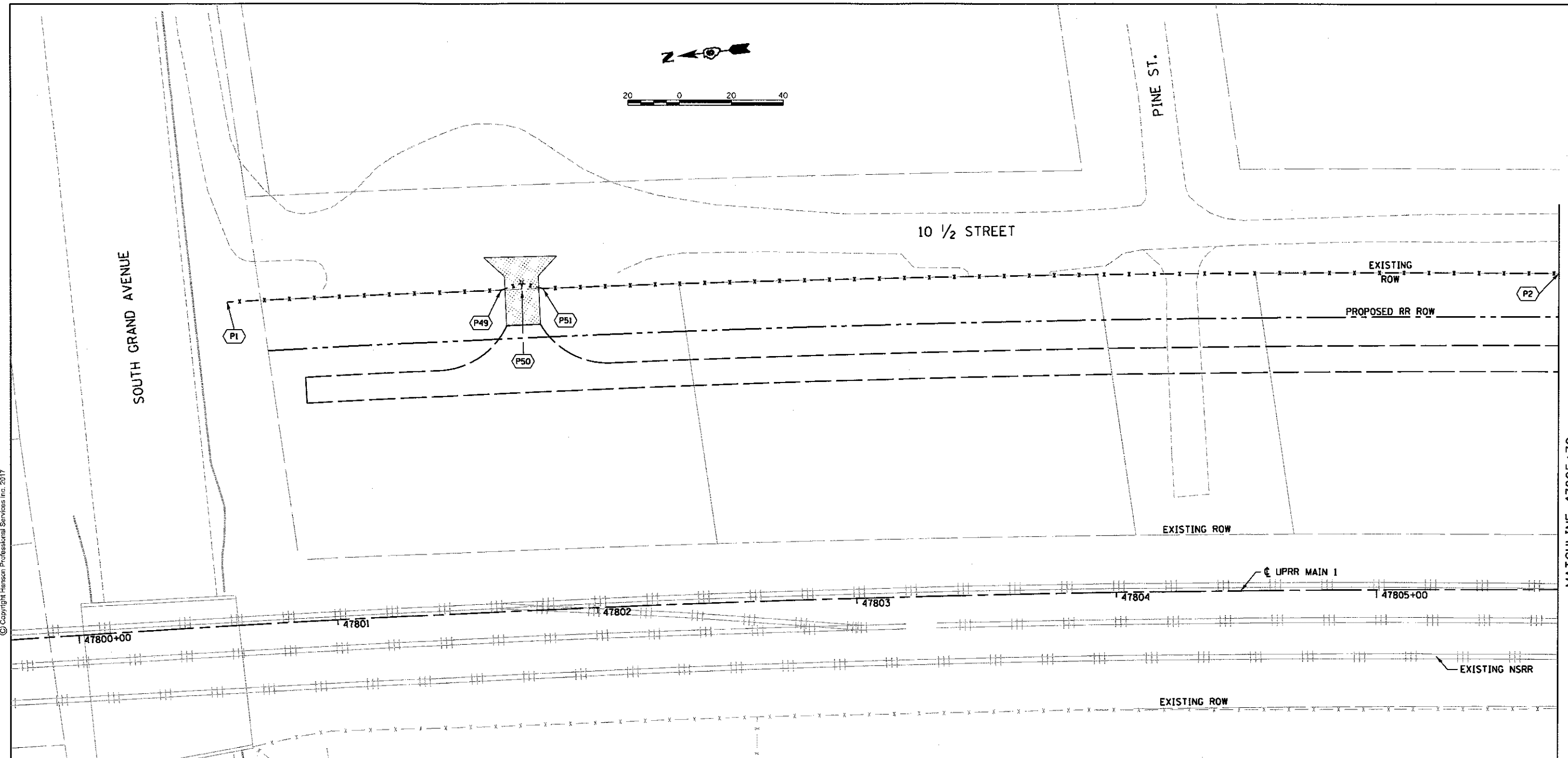


SOUTH GRAND AVENUE

10 1/2 STREET

PINE ST.

MATCHLINE 47805+70



FENCE LEGEND

- UPRR MAIN 1
STATION - OFFSET
- (A) P1 STA 47800+64.55, 124.56 LT
- (A) P49 STA 47801+68.46, 123.79' LT
- (A) P50 WOVEN WIRE GATES, 4'x16' DOUBLE
- (A) P51 STA 47801+84.23, 123.68' LT
- (A) P2 STA 47805+70.00, 121.71' LT

LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.
- x - x - x - x - x - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW, SEE PLAN AND PROFILE -USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- x - x - x - x - PROPOSED FENCE
- - - - - LIMITS OF MAINTENANCE ROAD & TURNAROUNDS
SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box] LIMITS OF TRACK ACCESS ENTRANCES
SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.

FINAL
DESIGNED JWM 7/20/2016
DRAWN CLG 7/20/2016
REVIEWED MNM 07/17/2016

FILE NAME = D689L0179B-Sht-Fence-Track-01.dgn	USER NAME = pop0275	DESIGNED - JWM	REVISED -
PLANI	PLLOT SCALE = 40.0000' / 1" /	DRAWN - CLG	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

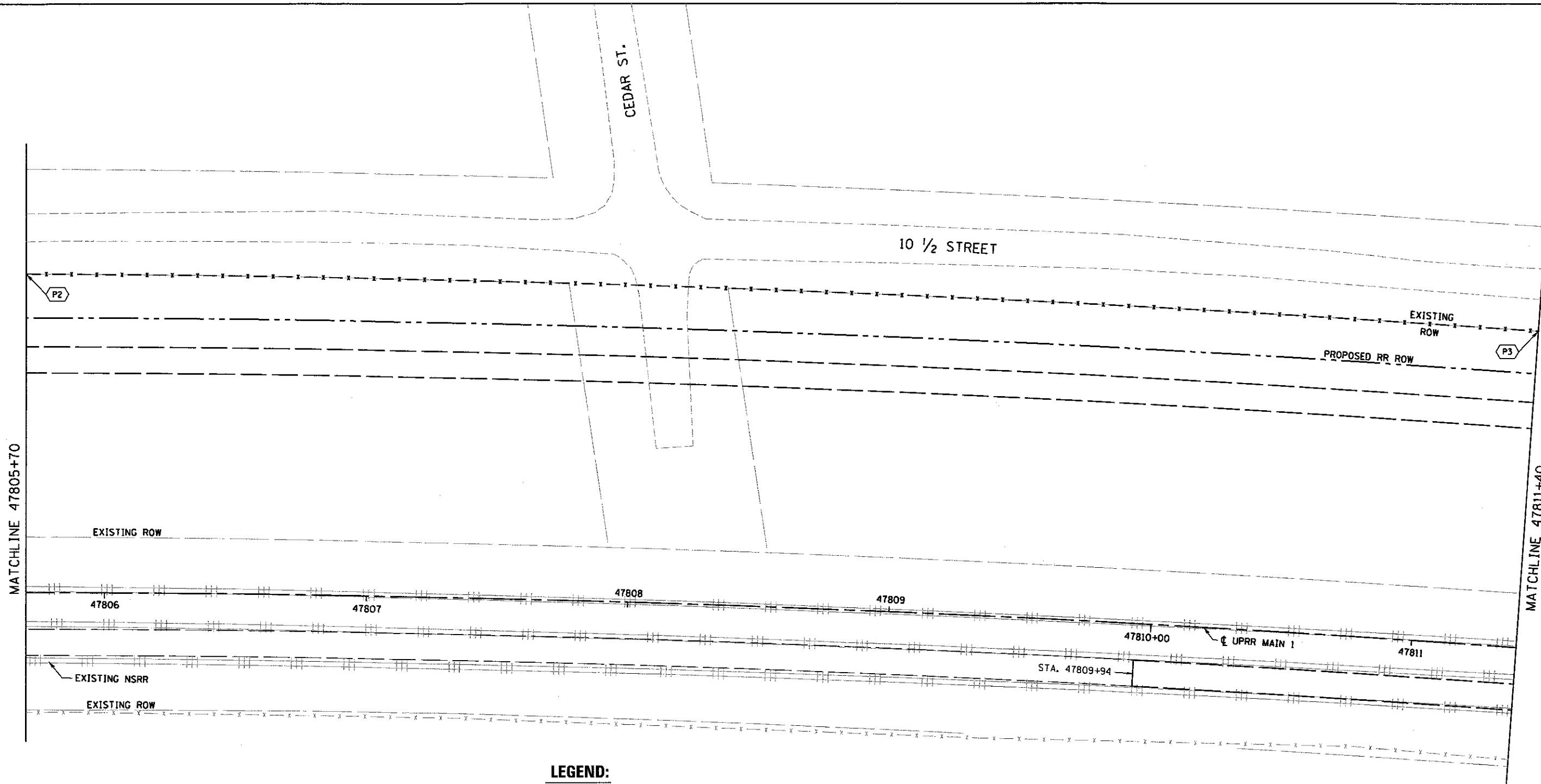
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 1
SCALE: SHEET 1 OF 7 SHEETS STA. 47800+00 TO STA. 47805+70

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	175
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



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FENCE LEGEND

UPRR MAIN 1
STATION - OFFSET

(A) P2 STA 47805+70.00, 121.71' LT
P3 STA 47811+40.00, 121.23' LT

LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.
- - - - - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW, SEE PLAN AND PROFILE -USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- x - x - x - PROPOSED FENCE
- - - - - LIMITS OF MAINTENANCE ROAD & TURNAROUNDS
SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box] LIMITS OF TRACK ACCESS ENTRANCES
SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.



FINAL
DESIGNED JWM 7/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 10/17/2015

FILE NAME = 0609L01798-Sh-Fence-Track-01.dgn	USER NAME = pop88275	DESIGNED - JWM	REVISED -
PLANT DATE = 2/24/2017	DATE -	DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

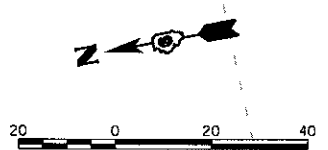
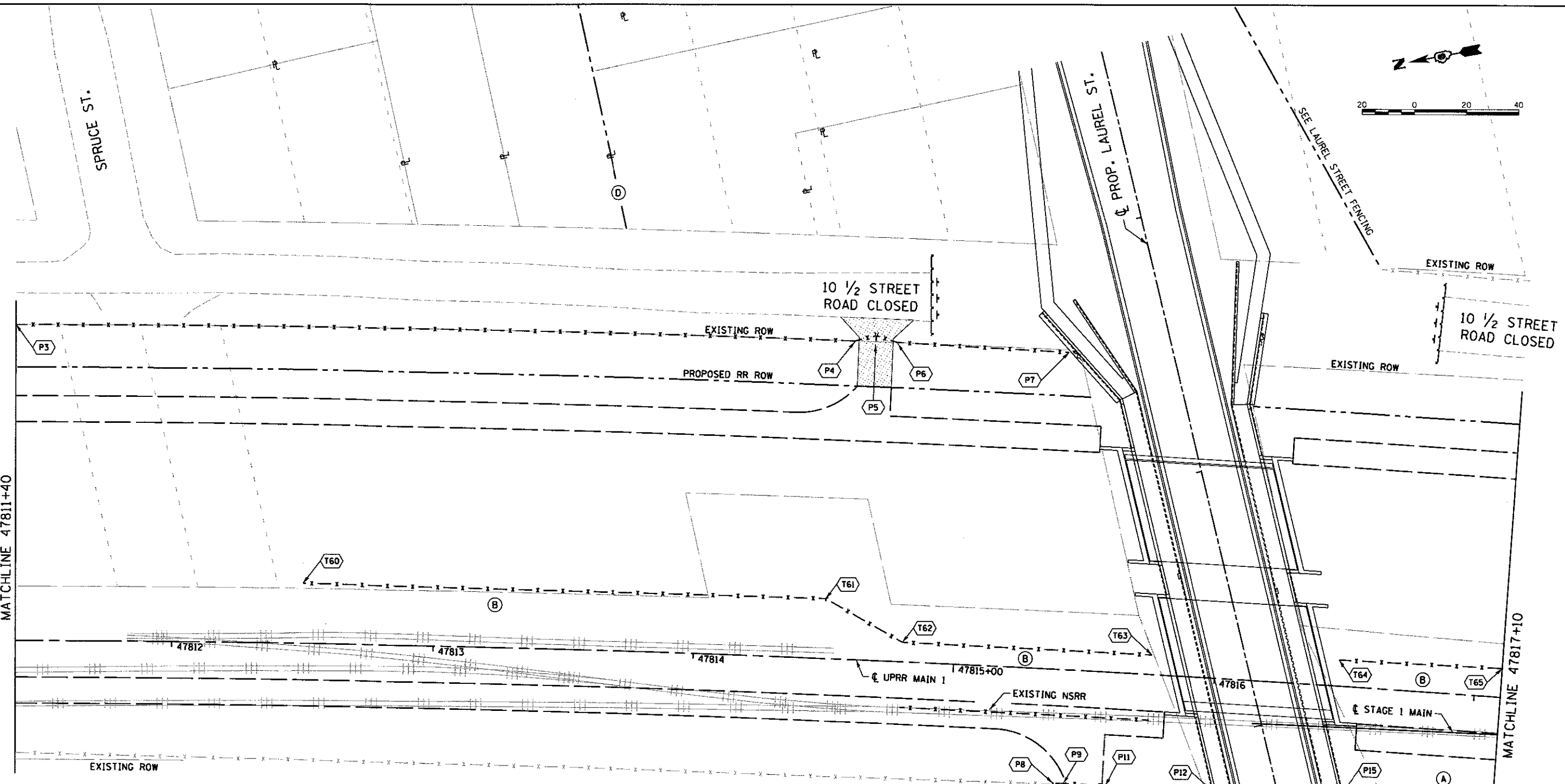
**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 2**

SCALE: SHEET 2 OF 7 SHEETS STA. 47805+70 TO STA. 47811+40

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	176
	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



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FENCE LEGEND

(A) P3	UPRR MAIN 1 STATION - OFFSET STA 47811+40.00, 121.23' LT	(C) T64	UPRR MAIN 1 STATION - OFFSET STA 47816+47.37, 10.00 LT
(A) P4	STA 47814+58.41, 122.22' LT	(C) T65	STA 47817+10.00, 11.07 LT
(A) P5	WOVEN WIRE GATES, 4'x16' DOUBLE		
(A) P6	STA 47814+74.18, 122.29' LT		
(A) P7	STA 47815+38.18, 122.61' LT		
(A) P8	STA 47815+40.42, 43.61' RT		
(A) P9	STA 47815+44.44, 43.58' RT		
(A) P11	STA 47815+60.52, 43.47' RT		
(A) P12	STA 47816+02.04, 43.18' RT		
(C) T60	STA 47812+50.00, 23.00' LT		
(C) T61	STA 47814+50.00, 23.00' LT		
(C) T62	STA 47814+80.00, 7.50' LT		
(C) T63	STA 47815+75.61, 7.50' LT		

LEGEND:

- (A)** ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (B)** FENCING SET 25 FT. MINIMUM FROM ACTIVE NSRR TRACK TO REDUCE NEED FOR ROADWAY WORKER PROTECTION.
- (C)** ERECT AND MAINTAIN TEMPORARY CONSTRUCTION FENCE (ORANGE PLASTIC). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (D)** FENCING ALONG LAUREL STREET CONSTRUCTION NOT SHOWN. SEE FENCING PLAN - LAUREL STREET -1 & -2
- (E)** SEE ENLARGED PLAN DETAIL - LAUREL STREET -2 FOR ACCESS ENTRANCE LAYOUT.

- (PXX)** THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX)** THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.
- x-x-x-x** EXISTING FENCE TO REMAIN
- - - - -** PROPOSED ROW. SEE PLAN AND PROFILE-USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- · - · - · -** PROPOSED FENCE
- - - - -** LIMITS OF MAINTENANCE ROAD & TURNAROUNDS SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box]** LIMITS OF TRACK ACCESS ENTRANCES SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUNDS DETAILS SHEET FOR LAYOUT & GEOMETRY.

FINAL
DESIGNED JWM 7/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 10/11/2015

FILE NAME = 0689L0179B-Sht-Fence-Track-01.dgn	USER NAME = pap0275	DESIGNED - JWM	REVISED -
PLANT SCALE = 40.0000' / in.	PLOT DATE = 2/24/2017	DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 3
SCALE: SHEET 3 OF 7 SHEETS STA. 47811+40 TO STA. 47817+10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	177
	09L0179B	CONTRACT NO.	93704	
[ILLINOIS] FED. AID PROJECT				



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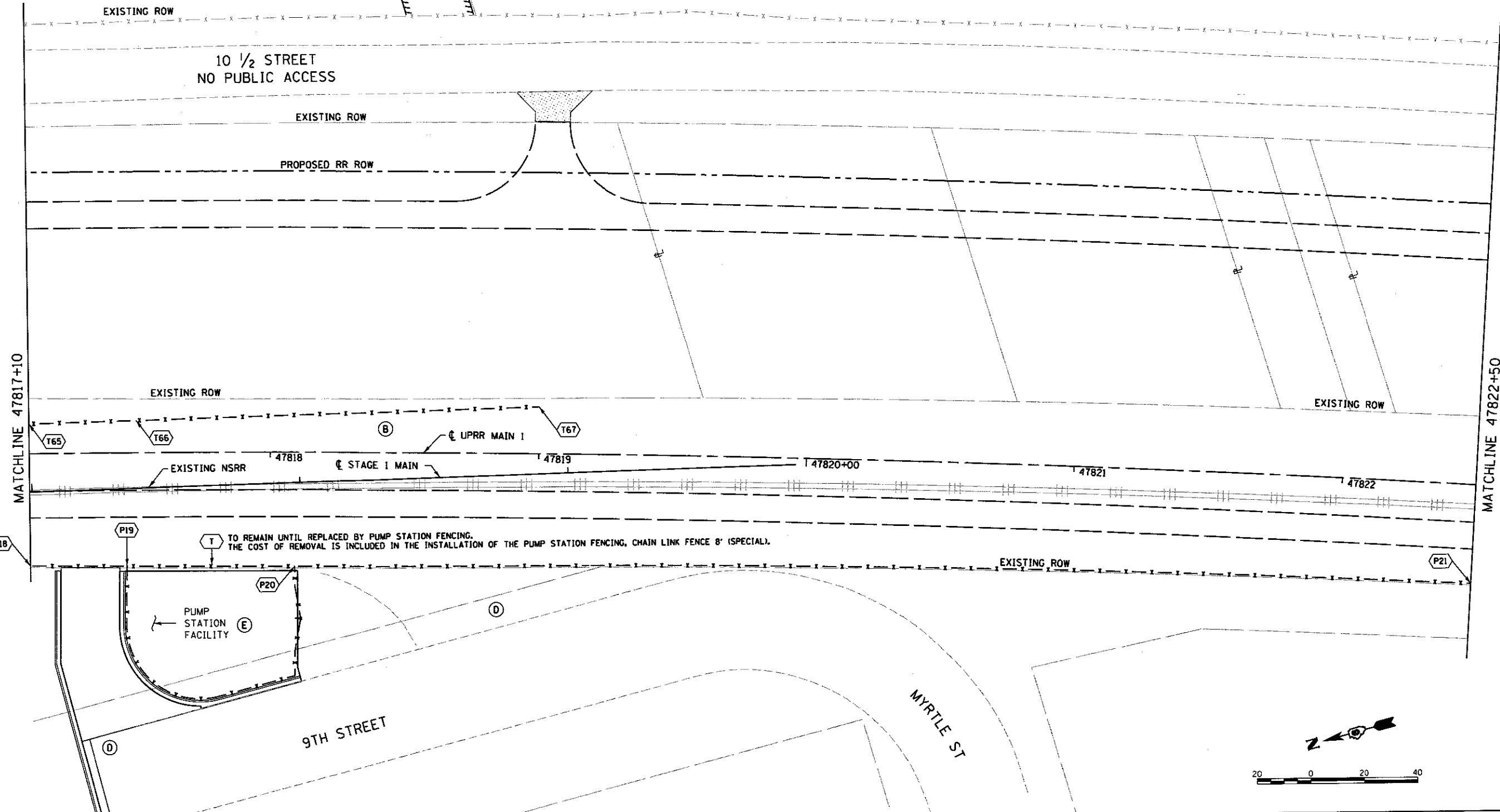
FENCE LEGEND

- UPRR MAIN 1
STATION - OFFSET
- (P18) STA 47817+10.00, 41.86 RT
 - (P19) STA 47817+46.20, 42.30 RT
 - (P20) STA 47818+09.27, 42.54 RT
 - (P21) STA 47822+50.00, 36.79' RT
 - (T65) STA 47817+10.00, 11.07 LT
 - (T66) STA 47817+50.00, 12.00 LT
 - (T67) STA 47819+00.00, 17.50 LT

LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (B) FENCING SET 25 FT. MINIMUM FROM ACTIVE NSRR TRACK TO REDUCE NEED FOR ROADWAY WORKER PROTECTION.
- (C) ERECT AND MAINTAIN TEMPORARY CONSTRUCTION FENCE (ORANGE PLASTIC), STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (D) FENCING ALONG 9TH STREET CONSTRUCTION NOT SHOWN. SEE FENCING PLAN - LAUREL STREET -1 & -2
- (E) FENCING AROUND PUMP STATION SHOWN FOR CLARITY AT ADJOINING RAILROAD FENCING SEE FENCING PLAN - LAUREL STREET -1 FOR LEGEND / TYPE & CALLOUTS.

- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.
- - - - - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW, SEE PLAN AND PROFILE -USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- - - - - PROPOSED FENCE
- - - - - LIMITS OF MAINTENANCE ROAD & TURNAROUNDS SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box] LIMITS OF TRACK ACCESS ENTRANCES SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.



FINAL
DESIGNED - JWM 7/20/2015
DRAWN - CLG 7/20/2015
REVIEWED - MWM 10/17/2016

FILE NAME = 0609L01798-Sht-Fence-Track-01.dgn
PLAN#

USER NAME = pop00275
PLOT SCALE = 40,000' / 1" = 1" = 40,000'
PLOT DATE = 2/24/2017

DESIGNED - JWM
DRAWN - CLG
CHECKED - JWM/MMM
DATE -

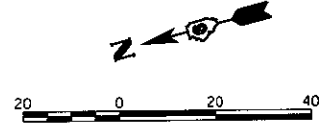
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 4

SCALE: SHEET 4 OF 7 SHEETS STA. 47817+10 TO STA. 47822+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	178
	09L01798		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



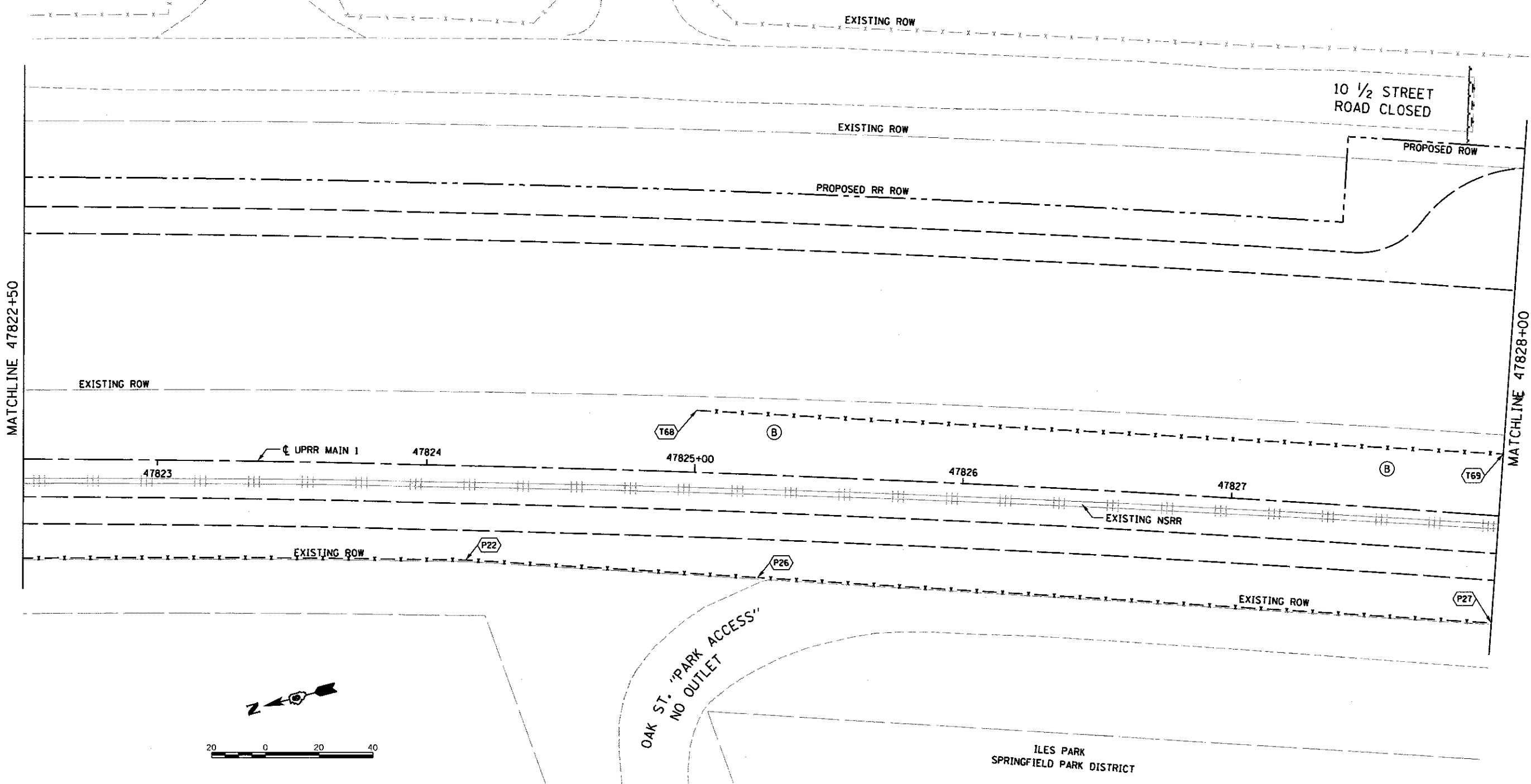
FENCE LEGEND

- UPRR MAIN 1
STATION - OFFSET
- (P21) PREVIOUS SHEET
 - (P22) STA 47824+15.37, 35.02' RT
 - (P26) STA 47825+25.00, 38.19' RT
 - (P27) STA 47828+00.00, 39.81' RT
 - (T68) STA 47825+00.00, 23.00' LT
 - (T69) STA 47828+00.00, 23.00' LT

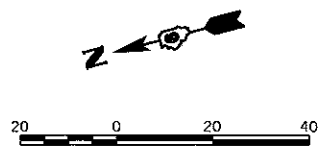
LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (B) FENCING SET 25 FT. MINIMUM FROM ACTIVE NSRR TRACK TO REDUCE NEED FOR ROADWAY WORKER PROTECTION.
- (C) ERECT AND MAINTAIN TEMPORARY CONSTRUCTION FENCE (ORANGE PLASTIC). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.

- - - - - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW, SEE PLAN AND PROFILE-USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- - - - - PROPOSED FENCE
- - - - - LIMITS OF MAINTENANCE ROAD & TURNAROUNDS SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box] LIMITS OF TRACK ACCESS ENTRANCES SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.



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FINAL
DESIGNED: JWM 7/20/2016
DRAWN: CLG 7/20/2016
REVIEWED: MNM 8/7/2016

FILE NAME = 0609L0179B-Sht-Fence-Track-01.dgn	USER NAME = pop00275	DESIGNED - JWM	REVISED -
		DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -
PLANS	PLOT DATE = 2/24/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 5**

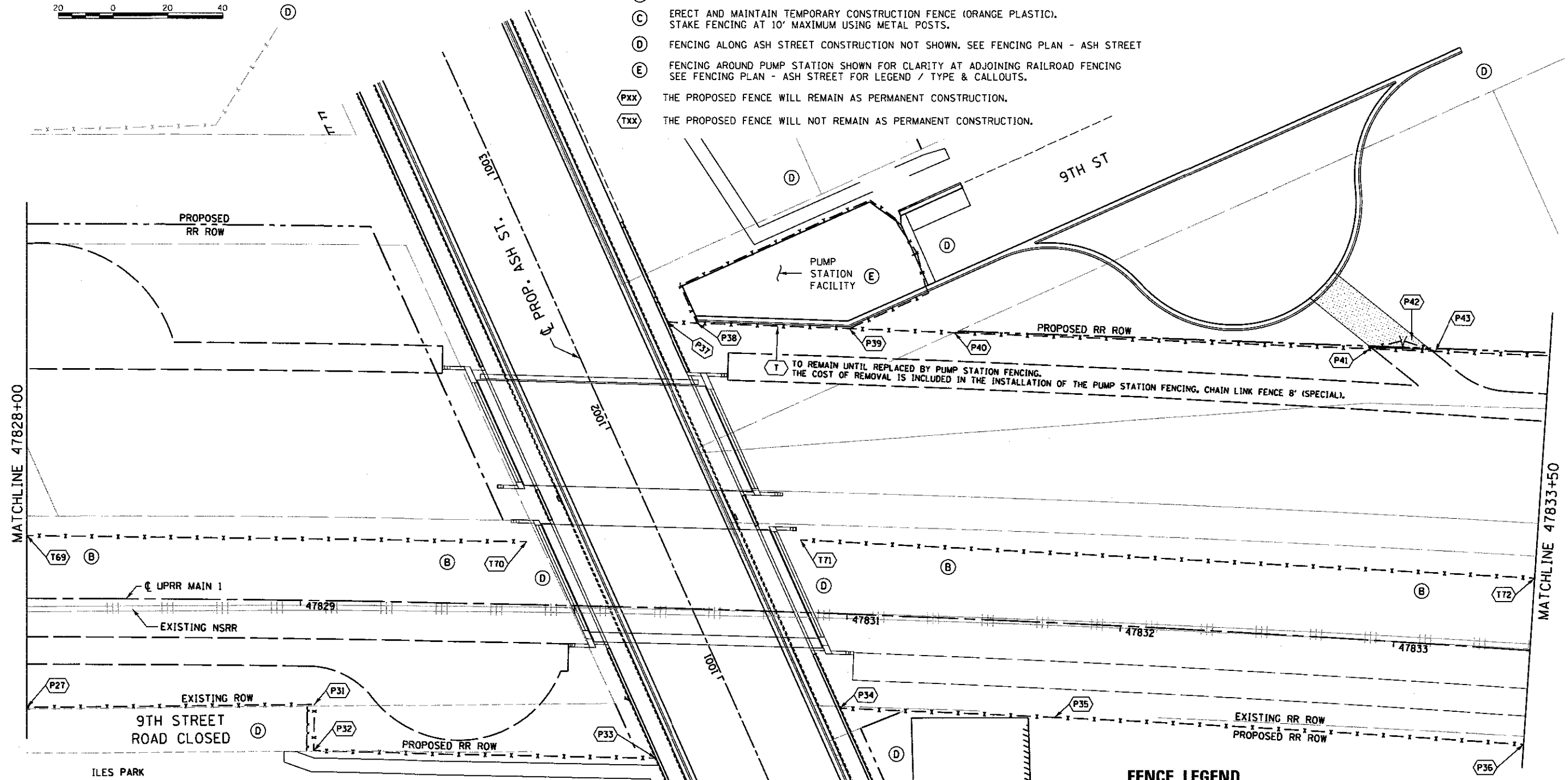
SCALE: SHEET 5 OF 7 SHEETS STA. 47822+50 TO STA. 47828+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	179
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				



LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (B) FENCING SET 25 FT. MINIMUM FROM ACTIVE NSRR TRACK TO REDUCE NEED FOR ROADWAY WORKER PROTECTION.
- (C) ERECT AND MAINTAIN TEMPORARY CONSTRUCTION FENCE (ORANGE PLASTIC). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (D) FENCING ALONG ASH STREET CONSTRUCTION NOT SHOWN. SEE FENCING PLAN - ASH STREET
- (E) FENCING AROUND PUMP STATION SHOWN FOR CLARITY AT ADJOINING RAILROAD FENCING SEE FENCING PLAN - ASH STREET FOR LEGEND / TYPE & CALLOUTS.
- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.



LEGEND:

- - - - - EXISTING FENCE TO REMAIN
- PROPOSED ROW. SEE PLAN AND PROFILE -USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- - - - - PROPOSED FENCE
- LIMITS OF MAINTENANCE ROAD & TURNAROUNDS SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- ▨ LIMITS OF TRACK ACCESS ENTRANCES SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.

FENCE LEGEND

UPRR MAIN 1 STATION - OFFSET		UPRR MAIN 1 STATION - OFFSET	
(C) T69	STA 47828+00.00, 23.00 LT	(P37)	STA 47830+31.02, 104.56' LT
(C) T70	STA 47829+82.00, 23.00 LT	(P38)	STA 47830+41.96, 104.50' LT
(P27)	STA 47828+00.00, 39.81' RT	(A) (P39)	STA 47830+97.02, 104.44' LT
(P31)	STA 47829+05.59, 38.01' RT	(P40)	STA 47831+34.99, 104.41' LT
(P32)	STA 47829+05.59, 54.92' RT	(P41)	STA 47832+84.90, 106.35' LT
(P33)	STA 47830+31.42, 54.87' RT	(P42)	STA 47832+84.90, 106.35' LT
(P34)	STA 47830+98.58, 34.42' RT	(P43)	STA 47833+08.60, 106.91' LT
(A) (P35)	STA 47831+77.57, 34.42' RT	(C) T71	STA 47830+82.00, 26.50 LT
(P36)	STA 47833+50.00, 34.42' RT	(C) T72	STA 47833+50.00, 26.50 LT



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FINAL
DESIGNED: JWM 11/20/2015
DRAWN: CLG 11/20/2015
REVIEWED: MNM 10/17/2016

FILE NAME = 0609L0179B-Sht-Fence-Track-01.dgn	USER NAME = pop08275	DESIGNED - JWM	REVISED -
PLANT	PLLOT SCALE = 40.0000' / 1" =	DRAWN - CLG	REVISED -
	PLLOT DATE = 2/24/2017	CHECKED - JWM/MNM	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 6**

SCALE: SHEET 6 OF 7 SHEETS STA. 47828+00 TO STA. 47833+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	180
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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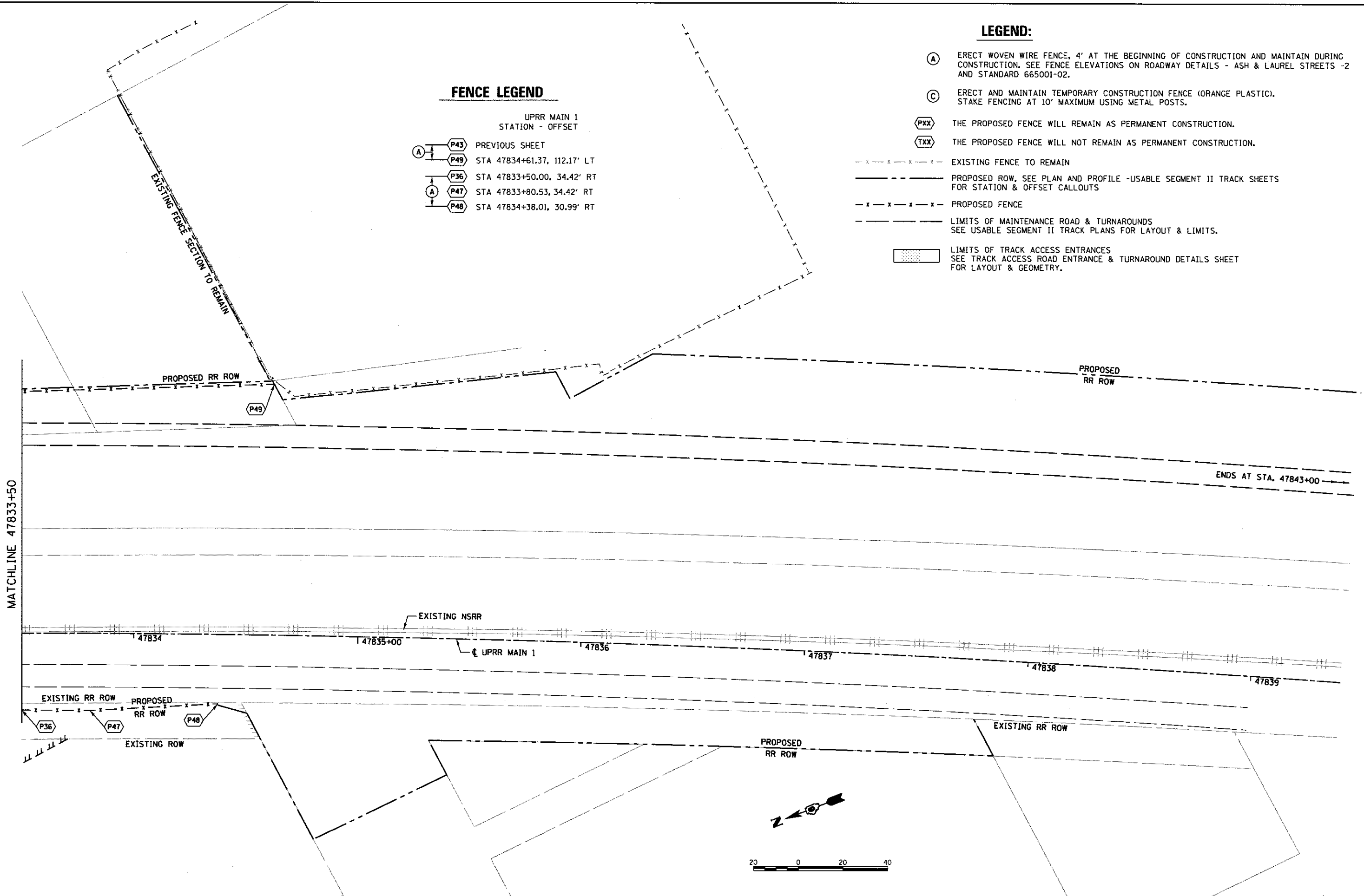
LEGEND:

- (A) ERECT WOVEN WIRE FENCE, 4' AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION. SEE FENCE ELEVATIONS ON ROADWAY DETAILS - ASH & LAUREL STREETS -2 AND STANDARD 665001-02.
- (C) ERECT AND MAINTAIN TEMPORARY CONSTRUCTION FENCE (ORANGE PLASTIC). STAKE FENCING AT 10' MAXIMUM USING METAL POSTS.
- (PXX) THE PROPOSED FENCE WILL REMAIN AS PERMANENT CONSTRUCTION.
- (TXX) THE PROPOSED FENCE WILL NOT REMAIN AS PERMANENT CONSTRUCTION.
- - - - - EXISTING FENCE TO REMAIN
- - - - - PROPOSED ROW, SEE PLAN AND PROFILE -USABLE SEGMENT II TRACK SHEETS FOR STATION & OFFSET CALLOUTS
- x - x - x - x - PROPOSED FENCE
- - - - - LIMITS OF MAINTENANCE ROAD & TURNAROUNDS
SEE USABLE SEGMENT II TRACK PLANS FOR LAYOUT & LIMITS.
- [Hatched Box] LIMITS OF TRACK ACCESS ENTRANCES
SEE TRACK ACCESS ROAD ENTRANCE & TURNAROUND DETAILS SHEET FOR LAYOUT & GEOMETRY.

FENCE LEGEND

UPRR MAIN 1
STATION - OFFSET

- (A) (P43) PREVIOUS SHEET
- (A) (P49) STA 47834+61.37, 112.17' LT
- (A) (P36) STA 47833+50.00, 34.42' RT
- (A) (P47) STA 47833+80.53, 34.42' RT
- (A) (P48) STA 47834+38.01, 30.99' RT



FINAL
DESIGNED JWM 7/20/2016
DRAWN CLG 7/20/2016
REVIEWED MNM 10/17/2016

FILE NAME =	USER NAME = pop0275	DESIGNED - JWM	REVISED -
DB09L0179B-Sht-Fence-Track-01.dgn		DRAWN - CLG	REVISED -
PLAN7	PLOT SCALE = 1/8" = 40.0000' / 1"	CHECKED - JWM/MNM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

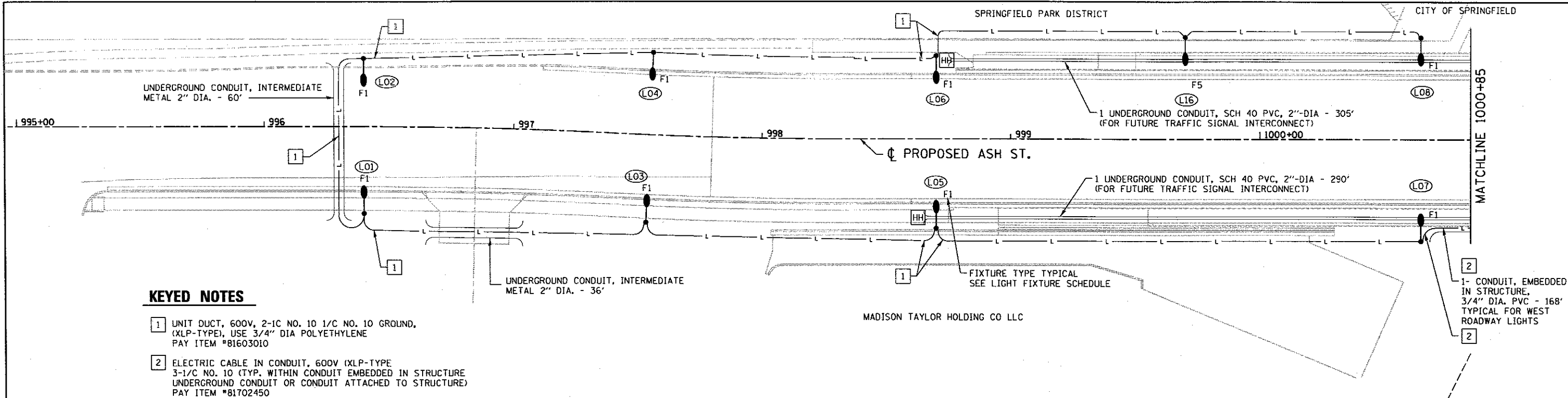
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING PLAN - USABLE SEGMENT II TRACK - 7

SCALE: SHEET 7 OF 7 SHEETS STA. 47833+50 TO STA. 478350+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	181
	09L0179B	CONTRACT NO. 93704		
ILLINOIS FED. AID PROJECT				



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KEYED NOTES

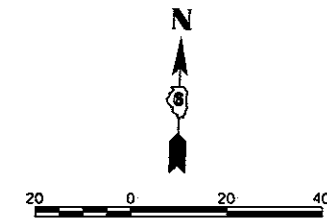
- 1 UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE), USE 3/4" DIA POLYETHYLENE PAY ITEM #81603010
- 2 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE) 3-1/2 NO. 10 (TYP. WITHIN CONDUIT EMBEDDED IN STRUCTURE UNDERGROUND CONDUIT OR CONDUIT ATTACHED TO STRUCTURE) PAY ITEM #81702450

FIXTURE REF. NO.	STATION	OFFSET	POLE HT.
ASH ST			
LO1	996+40.00	34.75' RT	30.00'
LO2	996+40.00	27.25' LT	40.00'
LO3	997+55.00	34.75' RT	30.00'
LO4	997+55.00	32.25' LT	40.00'
LO5	998+70.00	35.00' RT	30.00'
LO6	998+70.00	33.00' LT	40.00'
LO7	1000+65.00	40.75' RT	40.00'
LO8	1000+65.00	41.00' LT	40.00'
L16	1000+70.00	41.00' LT	40.00'

LEGEND

- (L11) FIXTURE REFERENCE NUMBER
- LIGHT POLE
- UNDERPASS LUMINAIRE (SPECIAL)
- UNDERPASS LUMINAIRE, 40W, LED
- LUMINAIRE, DECORATIVE ELECTROLUMINESCENT LIGHT TAPE
- ELECTRICAL CABLE (COST INCLUDED WITH PUMP STATION ELECTRICAL WORK, NO. 1)
- CONDUIT (TYPE, SIZE & LENGTH AS SHOWN)
- JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 4"x4"x3" (COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE).
- POWER SUPPLY FOR ELECTROLUMINESCENT LIGHTING, SEE LIGHTING DETAILS
- UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA POLYETHYLENE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 10 (TYP. WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT, OR CONDUIT ATTACHED TO STRUCTURE)
- HANDHOLE

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	LED COBRA HEAD, SINGLE HEAD LIGHT FIXTURE, HEAVY DUTY CAST ALUMINUM HOUSING, DIE CAST ALUMINUM DOOR FRAME, TYPE II CUTOFF OPTICS, GRAY POLYESTER POWDER COAT FINISH, FUSED.	LUMARK: RC LED ROADWAY SERIES OR APPROVED EQUIVALENT.	95 WATTS	480	POLE MOUNTED 30 FT, 40FT OR 45FT AFG. MATCH IDOT STANDARD SHEET 830006-03.	FOR LUMARK FIXTURE PROVIDE B04 OPTION ON LIGHT BARS.
F2	CONTINUOUS ELECTROLUMINESCENT LIGHT TAPE. STANDARD DIMMING CAPABILITY, UV AND MOISTURE RESISTANT, LENGTHS AS NOTED ON THE PLANS, HIGHLY VISIBLE THROUGH SMOKE AND FOG. PROFILE TO BE THINNER THAN A CREDIT CARD, 0.25" CLEAR BARRIER ENCAPSULATED ENVELOPING ALL 4 SIDES OF THE LIGHT ENGINE, 40,000 HOUR EXPECTED LIFE, 3 BRIGHTNESS SETTINGS.	ELECTRO-LUMINIX LIGHTING:LT-200- EXTERIOR-CLASSIC NATURAL BLUE-LENGTH AS SHOWN ON THE PLANS OR APPROVED EQUIVALENT	8 WATTS PER FOOT	240	MOUNT TO THE FRONT EDGE OF THE OVERPASS ON BOTH THE EAST AND WEST SIDES. SEE LIGHTING DETAILS FOR SPECIFIC LOCATIONS.	PROVIDE ALL REQUIRED POWER SUPPLIES IN A NEMA 4X JUNCTION BOX. PROVIDE ALL REQUIRED END CAPS AND SPLICE KITS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
F3	4 FT. LED HIGH ABUSE LINEAR LIGHT FIXTURE, LIGHT OUTPUT EQUIVALENT TO 2-T8 FLUORESCENT LAMPS, 1/4" TEMPERED WHITE GLASS LENS, FULLY GASKETED WITH A MOLDED SILICONE GASKET.	BEGA: 4312 LED, K4-400K COLOR, W/85CRI, SLV OR APPROVED EQUIVALENT	40 WATT LED'S	240	SURFACE MOUNT TO RETAINING WALL	SEE LIGHTING PLAN FOR INSTALLATION DETAILS
F4	LED SURFACE LIGHTING FIXTURE, ALUMINUM HOUSING WITH CONTOURED EDGES, IMPACT RESISTANT, TEMPERED GLASS LENS FULLY GASKETED WITH ONEPIECE TUBULAR SILICONE, 530mA SOLID STATE DRIVER, 4000K COLOR, WITH A LIGHT ENGINE CONTAINING 20 LED'S AND TYPE 5 DISTRIBUTION.	LITHONIA KACM LED, 4000K COLOR, R5 OR APPROVED EQUIVALENT	40 WATT LED'S	240	SUSPENDED MOUNTING. SEE LIGHTING PLAN DETAILS	SEE LIGHTING PLAN FOR INSTALLATION DETAILS
F5	LED COBRA HEAD, SINGLE HEAD LIGHT FIXTURE, HEAVY DUTY CAST ALUMINUM HOUSING, DIE CAST ALUMINUM DOOR FRAME, TYPE IV CUTOFF OPTICS, GRAY POLYESTER POWDER COAT FINISH, FUSED.	LUMARK: RC LED ROADWAY SERIES OR APPROVED EQUIVALENT.	102 WATTS	480	POLE MOUNTED 40FT. MATCH IDOT STANDARD SHEET 830006-03.	FOR LUMARK FIXTURE PROVIDE B04 OPTION ON LIGHT BARS.



FINAL
DESIGNED: JWM 7/26/2016
DRAWN: CLG 7/29/2016
REVIEWED: MNN 10/11/2016

FILE NAME = D609L0179B-shr-light-ASH10-E01.dgn
PLOT SCALE = 40.0000' / 1" in.
PLOT DATE = 5/26/2017

USER NAME = Johns02944
PLOT SCALE = 40.0000' / 1" in.
PLOT DATE = 5/26/2017

DESIGNED - JWM
DRAWN - CLG
CHECKED - JWM/MNN
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING PLAN - ASH STREET - 1

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	182
	09L0179B		CONTRACT NO.	93704
ILLINOIS FED. AID PROJECT				



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ALL LIGHTS UNDER THE UNDERPASS INCLUDING F2, F3, & F4 FIXTURES WILL BE ONE SINGLE 240V 20A CIRCUIT.

1-CONDUIT ATTACHED TO STRUCTURE 1" DIA. PVC COATED GALV. STEEL - 64' FOR F4 LIGHTS (TYPICAL).

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 103' FOR NORTH WALL F3 LIGHTING

1-CONDUIT ATTACHED TO STRUCTURE 1" DIA. PVC COATED GALV. STEEL - 95' FOR F4 AND F3 NORTH WALL LIGHTS (TYPICAL).

1 UNDERGROUND CONDUIT, SCH 40 PVC, 2"-DIA - 235' (FOR FUTURE TRAFFIC SIGNAL INTERCONNECT)

1 UNDERGROUND CONDUIT, SCH 40 PVC, 2"-DIA - 330' (FOR FUTURE TRAFFIC SIGNAL INTERCONNECT)

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 132' TO WEST POWER SUPPLY FOR F2 LIGHT TAPE

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 134' TO F3 LIGHTING SOUTH WALL

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 126' TO F4 LIGHTING SOUTH WALL

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 34' TO EAST POWER SUPPLY FOR F2 LIGHT TAPE
COORDINATE PRIMARY FEEDER WITH UTILITY. INCLUDE COST IN (ELECTRIC SERVICE INSTALLATION)

5 UNDERGROUND CONDUITS, SCH 40 PVC, 3/4" DIA. - 38' EACH

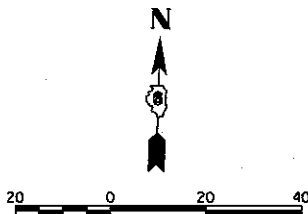
LIGHTING CONTROLLER 100AMP, BASE MOUNTED, 480V WITH 7.5 KVA 480-240V MINI-POWER ZONE

UTILITY TRANSFORMER WITH METER (ELECTRICAL SERVICE INSTALLATION)

NEW PUMP SYSTEM CONTROL PANEL AND SERVICE DISCONNECT SEE PUMP STATION ELECTRICAL DETAILS

CHAIN LINK FENCE 8' (SPECIAL) & ACCESS FROM 9TH ST. WITH A PAIR OF 8'x12' DOUBLE GATES CENTERED ON 9TH STREET. SEE FENCING PLAN - ASH ST. SHEET FOR LAYOUT.

RELOCATED POLE LIGHT (BY OTHERS)



FIXTURE REF. NO.	STATION	OFFSET	POLE HT.
ASH ST			
L09	1002+65.00	40.75' RT	45.00'
L10	1002+65.00	40.75' LT	40.00'
L11	1004+10.00	37.33' RT	40.00'
L12	1004+10.00	35.75' LT	40.00'
L13	1005+30.00	28.75' RT	40.00'
L14	1005+30.00	26.70' LT	40.00'
9TH STREET			
L15	12+41	34.67' RT	40.00'

FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	LED COBRA HEAD, SINGLE HEAD LIGHT FIXTURE, HEAVY DUTY CAST ALUMINUM HOUSING, DIE CAST ALUMINUM DOOR FRAME, TYPE II CUTOFF OPTICS, GRAY POLYESTER POWDER COAT FINISH, FUSED.	LUMARK: RC LED ROADWAY SERIES OR APPROVED EQUIVALENT.	95 WATTS	480	POLE MOUNTED 30 FT, 40FT OR 45FT AFG. MATCH IDOT STANDARD SHEET 830006-03.	FOR LUMARK FIXTURE PROVIDE B04 OPTION ON LIGHT BARS.
F2	CONTINUOUS ELECTROLUMINESCENT LIGHT TAPE. STANDARD DIMMING CAPABILITY, UV AND MOISTURE RESISTANT, LENGTHS AS NOTED ON THE PLANS, HIGHLY VISIBLE THROUGH SMOKE AND FOG, PROFILE TO BE THINNER THAN A CREDIT CARD, 0.25" CLEAR BARRIER ENCAPSULATED ENVELOPING ALL 4 SIDES OF THE LIGHT ENGINE, 40,000 HOUR EXPECTED LIFE, 3 BRIGHTNESS SETTINGS.	ELECTRO-LUMINIX LIGHTING-LT-200-EXTERIOR-CLASSIC NATURAL BLUE-LENGTH AS SHOWN ON THE PLANS OR APPROVED EQUIVALENT	8 WATTS PER FOOT	240	MOUNT TO THE FRONT EDGE OF THE OVERPASS ON BOTH THE EAST AND WEST SIDES. SEE LIGHTING DETAILS FOR SPECIFIC LOCATIONS.	PROVIDE ALL REQUIRED POWER SUPPLIES IN A NEMA 4X JUNCTION BOX PROVIDE ALL REQUIRED END CAPS AND SPLICE KITS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
F3	4 FT. LED HIGH ABUSE LINEAR LIGHT FIXTURE, LIGHT OUTPUT EQUIVALENT TO 2-T8 FLUORESCENT LAMPS, 1/4" TEMPERED WHITE GLASS LENS, FULLY GASKETED WITH A MOLDED SILICONE GASKET.	BEGA: 4312 LED, K4-400K COLOR, W/8SCR, SLV OR APPROVED EQUIVALENT	40 WATT LEDS	240	SURFACE MOUNT TO RETAINING WALL	SEE LIGHTING PLAN FOR INSTALLATION DETAILS
F4	LED SURFACE LIGHTING FIXTURE, ALUMINUM HOUSING WITH CONTOURED EDGES, IMPACT RESISTANT, TEMPERED GLASS LENS FULLY GASKETED WITH ONEPIECE TUBULAR SILICONE, 530mA SOLID STATE DRIVER, 4000K COLOR, WITH A LIGHT ENGINE CONTAINING 20 LEDS AND TYPE 5 DISTRIBUTION.	LITHONIA KACM LED, 4000K COLOR, R5 OR APPROVED EQUIVALENT	40 WATT LEDS	240	SUSPENDED MOUNTING, SEE LIGHTING PLAN DETAILS	SEE LIGHTING PLAN FOR INSTALLATION DETAILS

LEGEND

- (L11) FIXTURE REFERENCE NUMBER
- ☪ LIGHT POLE
- ☪ UNDERPASS LUMINAIRE (SPECIAL)
- ☪ UNDERPASS LUMINAIRE, 40W, LED
- ☪ LUMINAIRE, DECORATIVE ELECTROLUMINESCENT LIGHT TAPE
- E — ELECTRICAL CABLE (COST INCLUDED WITH PUMP STATION ELECTRICAL WORK, NO. 1)
- () CONDUIT (TYPE, SIZE & LENGTH AS SHOWN)
- (JI) JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 4"x4"x3" (COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE)
- (PS) POWER SUPPLY FOR ELECTROLUMINESCENT LIGHTING. SEE LIGHTING DETAILS
- L — UNIT DUCT, 600V, 2-1C NO. 10 1/C NO. 10 GROUND, (XLP-TYPE USE) , 3/4" DIA POLYETHYLENE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10 (TYPICAL WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT, OR CONDUIT ATTACHED TO STRUCTURE)
- ☪ RELOCATED POLE LIGHT (BY OTHERS)
- (HH) HANDHOLE

KEYED NOTES

- 1 UNIT DUCT, 600V, 2-1C NO. 10 1/C NO. 10 GROUND, (XLP-TYPE USE) , 3/4" DIA POLYETHYLENE PAY ITEM #81603010
- 2 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10 (TYPICAL WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT OR CONDUIT ATTACHED TO STRUCTURE) PAY ITEM #81702450
- 3 ELECTROLUMINESCENT LIGHT TAPE, MOUNTED ON FRONT SIDE OF STEEL SACRIFICIAL BEAM, SEE DETAILS. TYPE F2, TYPICAL.
- 4 ELECTROLUMINESCENT LIGHT TAPE, MOUNTED ON FRONT SIDE OF PRECAST FASCIA BEAM, SEE DETAILS. TYPE F2, TYPICAL.

FINAL
DESIGNED: JWM 7/20/2017
DRAWN: CLG 7/20/2017
REVIEWED: MNM 10/17/2018

FILE NAME = D609L01798-shit-light-ASH10-E02.dgn
PLOT SCALE = 40.0000' / 1" in.
PLOT DATE = 5/26/2017

USER NAME = Johns09944
PLOT SCALE = 40.0000' / 1" in.
PLOT DATE = 5/26/2017

DESIGNED - JWM
DRAWN - CLG
CHECKED - JWM/MNM
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

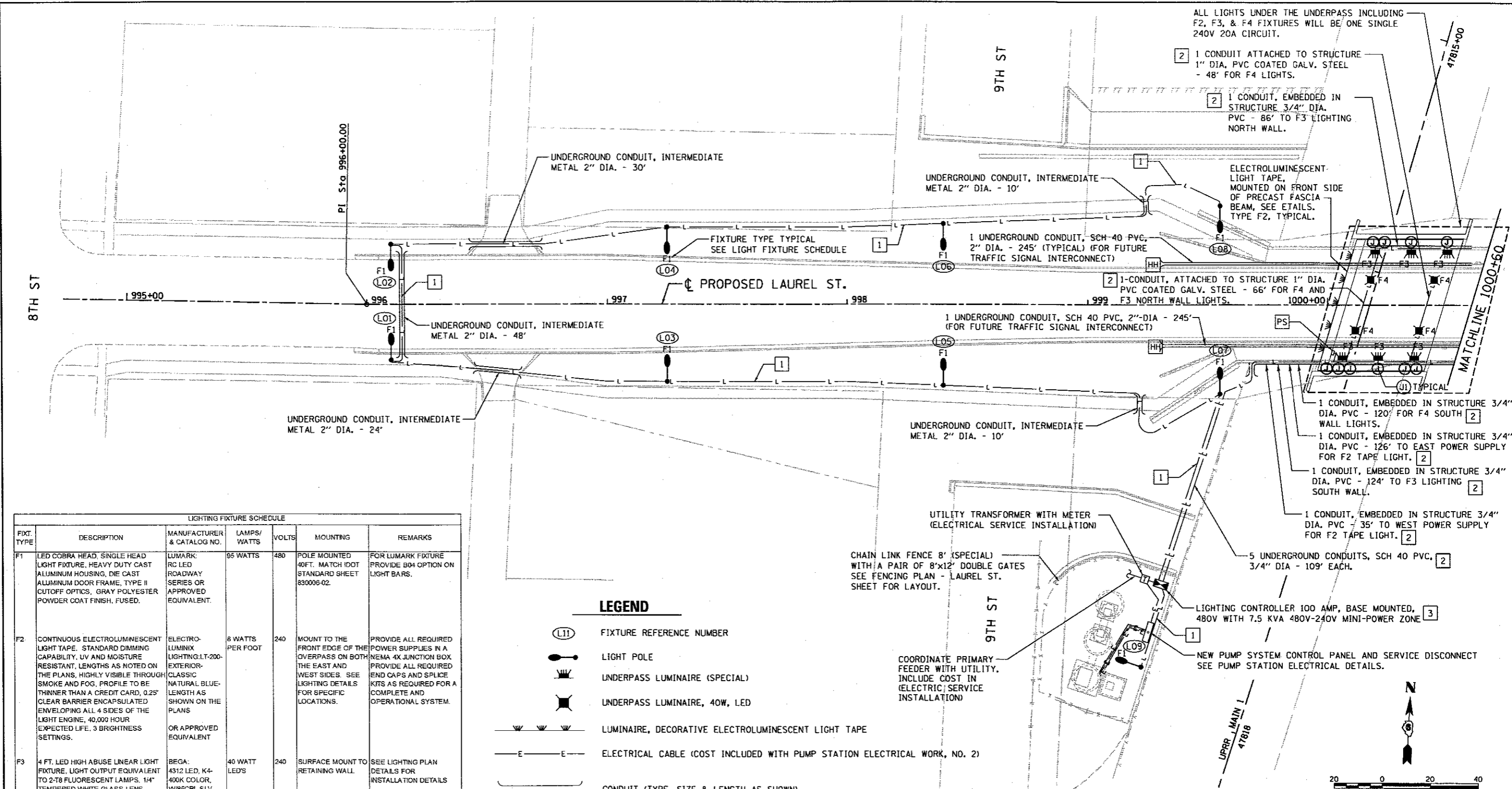
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING PLAN - ASH STREET - 2

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	183
	09L0179B			CONTRACT NO. 93704

ILLINOIS FED. AID PROJECT



ALL LIGHTS UNDER THE UNDERPASS INCLUDING F2, F3, & F4 FIXTURES WILL BE ONE SINGLE 240V 20A CIRCUIT.

- 1 CONDUIT ATTACHED TO STRUCTURE 1" DIA. PVC COATED GALV. STEEL - 48' FOR F4 LIGHTS.
- 1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 86' TO F3 LIGHTING NORTH WALL.

ELECTROLUMINESCENT LIGHT TAPE, MOUNTED ON FRONT SIDE OF PRECAST FASCIA BEAM, SEE DETAILS. TYPE F2, TYPICAL.

1 UNDERGROUND CONDUIT, SCH 40 PVC, 2" DIA. - 245' (TYPICAL) (FOR FUTURE TRAFFIC SIGNAL INTERCONNECT)

1 CONDUIT, ATTACHED TO STRUCTURE 1" DIA. PVC COATED GALV. STEEL - 66' FOR F4 AND F3 NORTH WALL LIGHTS.

1 UNDERGROUND CONDUIT, SCH 40 PVC, 2" DIA - 245' (FOR FUTURE TRAFFIC SIGNAL INTERCONNECT)

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 120' FOR F4 SOUTH WALL LIGHTS.

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 126' TO EAST POWER SUPPLY FOR F2 TAPE LIGHT.

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 124' TO F3 LIGHTING SOUTH WALL.

1 CONDUIT, EMBEDDED IN STRUCTURE 3/4" DIA. PVC - 35' TO WEST POWER SUPPLY FOR F2 TAPE LIGHT.

5 UNDERGROUND CONDUITS, SCH 40 PVC, 3/4" DIA - 109' EACH.

LIGHTING CONTROLLER 100 AMP, BASE MOUNTED, 480V WITH 7.5 KVA 480V-240V MINI-POWER ZONE

NEW PUMP SYSTEM CONTROL PANEL AND SERVICE DISCONNECT SEE PUMP STATION ELECTRICAL DETAILS.

UTILITY TRANSFORMER WITH METER (ELECTRICAL SERVICE INSTALLATION)

CHAIN LINK FENCE 8' (SPECIAL) WITH A PAIR OF 8"x12" DOUBLE GATES SEE FENCING PLAN - LAUREL ST. SHEET FOR LAYOUT.

COORDINATE PRIMARY FEEDER WITH UTILITY. INCLUDE COST IN (ELECTRIC) SERVICE INSTALLATION

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	LED COBRA HEAD, SINGLE HEAD LIGHT FIXTURE, HEAVY DUTY CAST ALUMINUM HOUSING, DIE CAST ALUMINUM DOOR FRAME, TYPE II CUTOFF OPTICS, GRAY POLYESTER POWDER COAT FINISH, FUSED.	LUMARK: RC LED ROADWAY SERIES OR APPROVED EQUIVALENT.	95 WATTS	480	POLE MOUNTED 40FT. MATCH IDOT STANDARD SHEET 830006-02.	FOR LUMARK FIXTURE PROVIDE B04 OPTION ON LIGHT BARS.
F2	CONTINUOUS ELECTROLUMINESCENT LIGHT TAPE. STANDARD DIMMING CAPABILITY, UV AND MOISTURE RESISTANT, LENGTHS AS NOTED ON THE PLANS, HIGHLY VISIBLE THROUGH SMOKE AND FOG. PROFILE TO BE THINNER THAN A CREDIT CARD, 0.25" CLEAR BARRIER ENCAPSULATED ENVELOPING ALL 4 SIDES OF THE LIGHT ENGINE, 40,000 HOUR EXPECTED LIFE, 3 BRIGHTNESS SETTINGS.	ELECTRO-LUMINIX LIGHTING-LT-200-CLASSIC NATURAL BLUE-LENGTH AS SHOWN ON THE PLANS OR APPROVED EQUIVALENT	8 WATTS PER FOOT	240	MOUNT TO THE FRONT EDGE OF THE OVERPASS ON BOTH THE EAST AND WEST SIDES. SEE LIGHTING DETAILS FOR SPECIFIC LOCATIONS.	PROVIDE ALL REQUIRED POWER SUPPLIES IN A NEMA 4X JUNCTION BOX PROVIDE ALL REQUIRED END CAPS AND SPLICE KITS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
F3	4 FT. LED HIGH ABUSE LINEAR LIGHT FIXTURE, LIGHT OUTPUT EQUIVALENT TO 2-T8 FLUORESCENT LAMPS, 1/4" TEMPERED WHITE GLASS LENS, FULLY GASKETED WITH A MOLDED SILICONE GASKET.	BEGA: 4312 LED, K4-400K COLOR, W/85CRI, SLV OR APPROVED EQUIVALENT	40 WATT LED'S	240	SURFACE MOUNT TO RETAINING WALL	SEE LIGHTING PLAN DETAILS FOR INSTALLATION DETAILS
F4	LED SURFACE LIGHTING FIXTURE, ALUMINUM HOUSING WITH CONTOURED EDGES, IMPACT RESISTANT, TEMPERED GLASS LENS FULLY GASKETED WITH ONEPIECE TUBULAR SILICONE, 530ma SOLID STATE DRIVER, 4000K COLOR, WITH A LIGHT ENGINE CONTAINING 20 LED'S AND TYPE 5 DISTRIBUTION.	LITHONIA KACM LED, 4000K COLOR, RS OR APPROVED EQUIVALENT	40 WATT LED'S	240	SUSPENDED MOUNTING, SEE LIGHTING PLAN DETAILS	SEE LIGHTING PLAN DETAILS FOR INSTALLATION DETAILS

LEGEND

- (L1) FIXTURE REFERENCE NUMBER
- ☉ LIGHT POLE
- ☉ UNDERPASS LUMINAIRE (SPECIAL)
- ☉ UNDERPASS LUMINAIRE, 40W, LED
- ☉ LUMINAIRE, DECORATIVE ELECTROLUMINESCENT LIGHT TAPE
- E — ELECTRICAL CABLE (COST INCLUDED WITH PUMP STATION ELECTRICAL WORK, NO. 2)
- () CONDUIT (TYPE, SIZE & LENGTH AS SHOWN)
- (J1) JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 4"x4"x3" (COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE).
- (PS) POWER SUPPLY FOR ELECTROLUMINESCENT LIGHTING, SEE LIGHTING DETAILS
- L — UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA POLYETHYLENE
- L — ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 10 (TYP. WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT OR ATTACHED TO STRUCTURE)
- (HH) HANDHOLE

KEYED NOTES

- 1 UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA POLYETHYLENE PAY ITEM #81603010
- 2 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 10 (TYPICAL WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT OR CONDUIT ATTACHED TO STRUCTURE) PAY ITEM #81702450
- 3 PROVIDE 2-240V CIRCUITS, ONE FOR THE EAST POWER SUPPLY AND ONE FOR THE WEST POWER SUPPLY OF THE ELECTROLUMINESCENT LIGHT TAPE TYPE F2. PROVIDE 2-240V CIRCUITS, ONE FOR THE NORTH RUN OF F3 FIXTURES AND ONE FOR THE SOUTH RUN OF F3 FIXTURES. PROVIDE 2-480V CIRCUITS, ONE FOR THE WEST 8 POLE MOUNTED F1 FIXTURES AND ONE FOR THE EAST 8 POLE MOUNTED F1 FIXTURES.

FIXTURE REF. NO.	STATION	OFFSET	POLE HT.
LAUREL ST			
L01	996+10.00	23.00' RT	40.00'
L02	996+10.00	25.00' LT	40.00'
L03	997+25.00	32.00' RT	40.00'
L04	997+25.00	32.00' LT	40.00'
L05	998+40.00	33.50' RT	40.00'
L06	998+40.00	33.50' LT	40.00'
L07	999+55.00	37.00' RT	40.00'
L08	999+55.00	41.00' LT	40.00'
L09	999+22.08	149.85' RT	40.00'

FILE NAME = 0609181798-shv-light-LAU-E01.dgn	USER NAME = John08944	DESIGNED - JWM	REVISED -
PLANT	PLLOT SCALE = 48.000' / in.	DRAWN - CLG/RSJ	REVISED -
	PLLOT DATE = 5/26/2017	CHECKED - JWM/MMM	REVISED -
		DATE -	REVISED -

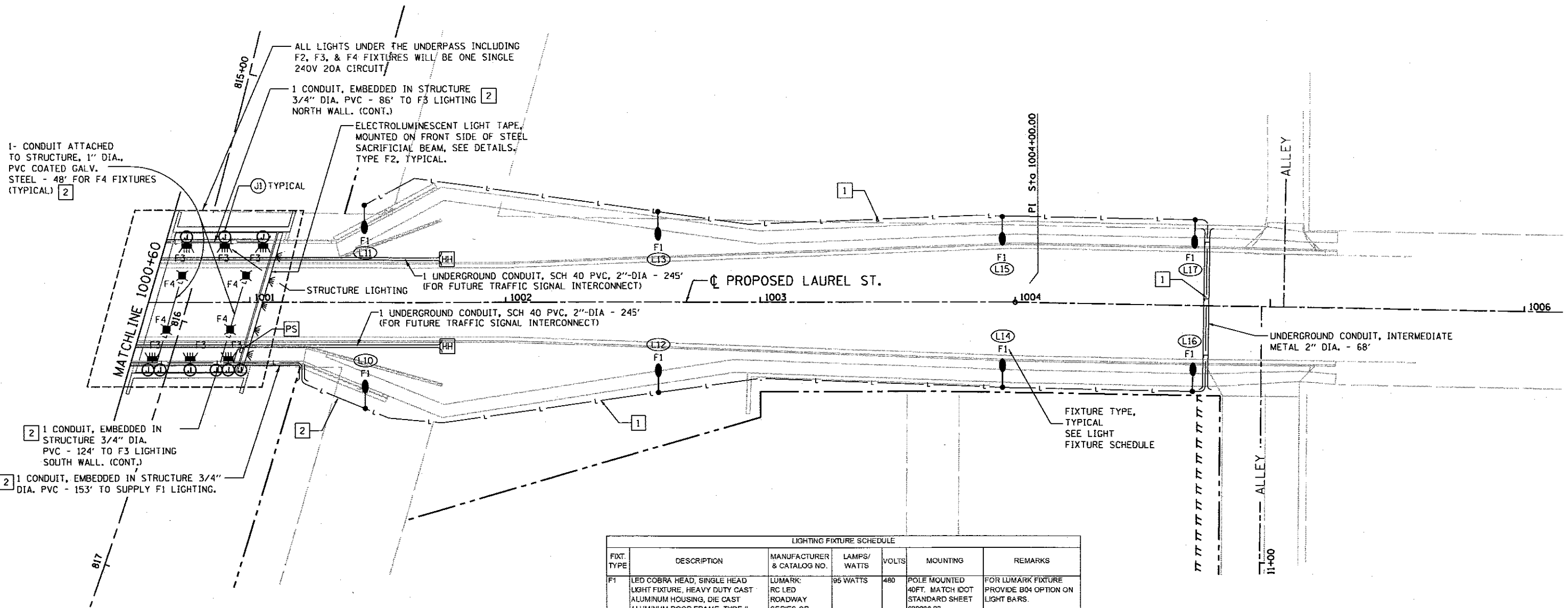
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING PLAN - LAUREL STREET - 1**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
	14-00477-00-BR	SANGAMON	403 184
	09L0179B	CONTRACT NO.	93704
[ILLINOIS FED. AID PROJECT]			

DESIGNED: JWM 7/20/2015
DRAWN: CLG/RSJ 11/20/2015
REVIEWED: MMM 10/11/2016



LEGEND

- (L11) FIXTURE REFERENCE NUMBER
- LIGHT POLE
- UNDERPASS LUMINAIRE (SPECIAL)
- UNDERPASS LUMINAIRE, 402, LED
- LUMINAIRE, DECORATIVE ELECTROLUMINESCENT LIGHT TAPE
- ELECTRICAL CABLE (COST INCLUDED WITH PUMP STATION ELECTRICAL WORK, NO. 2)
- CONDUIT (TYPE, SIZE & LENGTH AS SHOWN)
- (J1) JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 4"x4"x3" (COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE).
- (PS) POWER SUPPLY FOR ELECTROLUMINESCENT LIGHTING, SEE LIGHTING DETAILS
- UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE USE) , 3/4" DIA POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 10 (TYP. WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT, OR CONDUIT ATTACHED TO STRUCTURE)
- (HH) HANDHOLE

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	LED COBRA HEAD, SINGLE HEAD LIGHT FIXTURE, HEAVY DUTY CAST ALUMINUM HOUSING, DIE CAST ALUMINUM DOOR FRAME, TYPE II CUTOFF OPTICS, GRAY POLYESTER POWDER COAT FINISH, FUSED.	LUMARK: RC LED ROADWAY SERIES OR APPROVED EQUIVALENT.	95 WATTS	480	POLE MOUNTED 40FT. MATCH IDOT STANDARD SHEET 830006-02.	FOR LUMARK FIXTURE PROVIDE B04 OPTION ON LIGHT BARS.
F2	CONTINUOUS ELECTROLUMINESCENT LIGHT TAPE. STANDARD DIMMING CAPABILITY, UV AND MOISTURE RESISTANT. LENGTHS AS NOTED ON THE PLANS, HIGHLY VISIBLE THROUGH SMOKE AND FOG, PROFILE TO BE THINNER THAN A CREDIT CARD, 0.25" CLEAR BARRIER ENCAPSULATED ENVELOPING ALL 4 SIDES OF THE LIGHT ENGINE, 40,000 HOUR EXPECTED LIFE, 3 BRIGHTNESS SETTINGS.	ELECTRO-LUMINIX LIGHTING-LT-200-EXTERIOR-CLASSIC NATURAL BLUE-LENGTH AS SHOWN ON THE PLANS OR APPROVED EQUIVALENT	8 WATTS PER FOOT	240	MOUNT TO THE FRONT EDGE OF THE OVERPASS ON BOTH THE EAST AND WEST SIDES. SEE LIGHTING DETAILS FOR SPECIFIC LOCATIONS.	PROVIDE ALL REQUIRED POWER SUPPLIES IN A NEMA 4X JUNCTION BOX PROVIDE ALL REQUIRED END CAPS AND SPLICE KITS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
F3	4 FT. LED HIGH ABUSE LINEAR LIGHT FIXTURE, LIGHT OUTPUT EQUIVALENT TO 2-T8 FLUORESCENT LAMPS, 1/4" TEMPERED WHITE GLASS LENS, FULLY GASKETED WITH A MOLDED SILICONE GASKET.	BEGA: 4312 LED, K4-400K COLOR, W/8SCR, SLV OR APPROVED EQUIVALENT	40 WATT LED'S	240	SURFACE MOUNT TO RETAINING WALL	SEE LIGHTING PLAN DETAILS FOR INSTALLATION DETAILS
F4	LED SURFACE LIGHTING FIXTURE, ALUMINUM HOUSING WITH CONTOURED EDGES, IMPACT RESISTANT, TEMPERED GLASS LENS FULLY GASKETED WITH ONEPIECE TUBULAR SILICONE, 530mA SOLID STATE DRIVER, 4000K COLOR, WITH A LIGHT ENGINE CONTAINING 20 LEDS AND TYPE 5 DISTRIBUTION.	LITHONIA KACM LED, 4000K COLOR, R5 OR APPROVED EQUIVALENT	40 WATT LED'S	240	SUSPENDED MOUNTING, SEE LIGHTING PLAN DETAILS	SEE LIGHTING PLAN DETAILS FOR INSTALLATION DETAILS

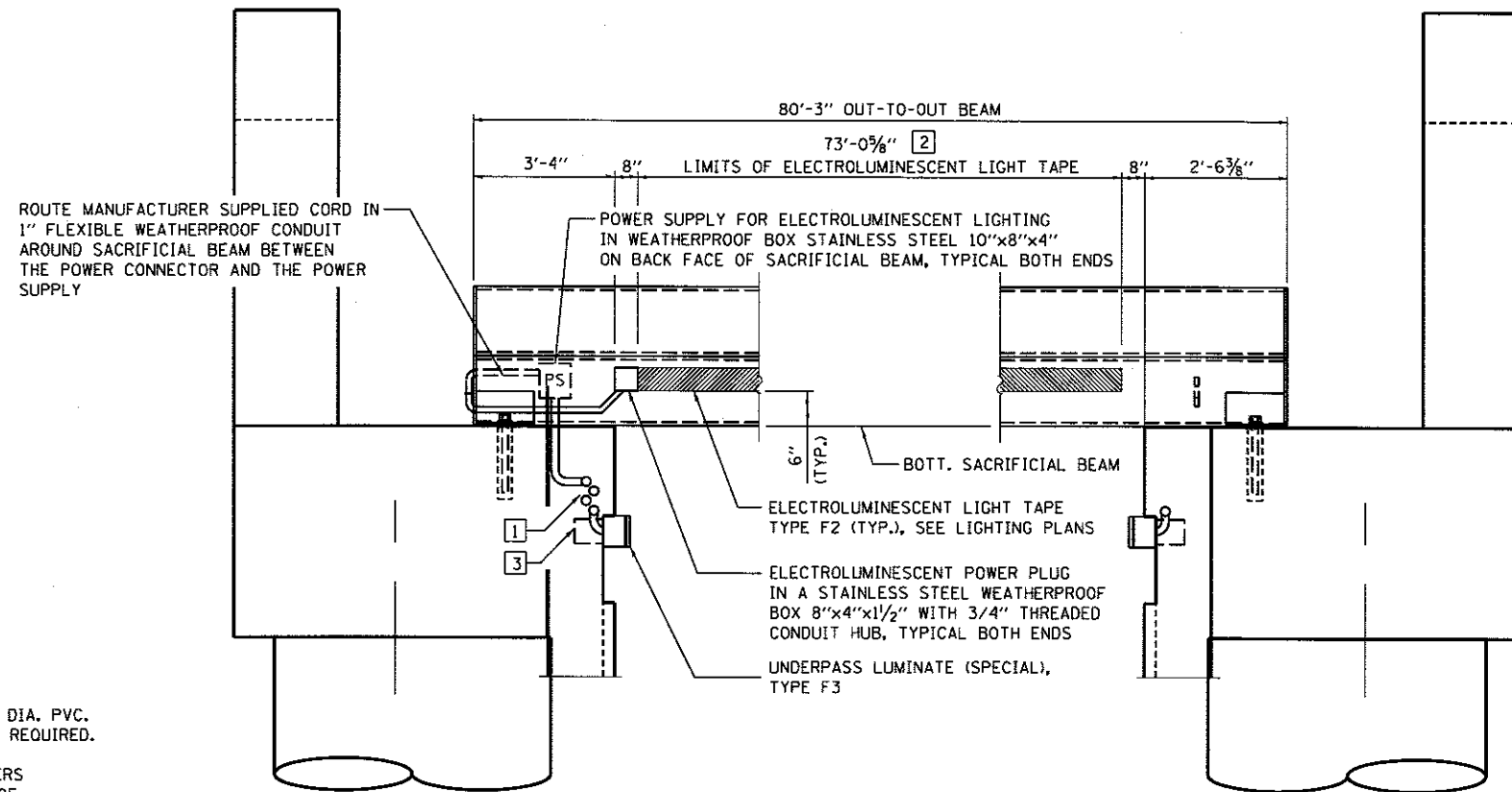
FIXTURE REF. NO.	STATION	OFFSET	POLE HT.
LAUREL ST			
L10	1001+45.00	41.50' RT	40.00'
L11	1001+45.00	38.00' LT	40.00'
L12	1002+60.00	35.50' RT	40.00'
L13	1002+60.00	35.50' LT	40.00'
L14	1003+95.00	33.33' RT	40.00'
L15	1003+95.00	33.32' LT	40.00'
L16	1004+70.00	33.50' RT	40.00'
L17	1004+70.00	33.50' LT	40.00'

KEYED NOTES

- 1 UNIT DUCT, 600V, 2-1C NO. 10 1/2 NO. 10 GROUND, (XLP-TYPE USE) , 3/4" DIA POLYETHYLENE PAY ITEM #81603010
- 2 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/2 NO. 10 (TYPICAL WITHIN CONDUIT EMBEDDED IN STRUCTURE, UNDERGROUND CONDUIT, OR CONDUIT ATTACHED TO STRUCTURE) PAY ITEM #81702450
- 3 PROVIDE 2-240V CIRCUITS, ONE FOR THE EAST POWER SUPPLY AND ONE FOR THE WEST POWER SUPPLY OF THE ELECTROLUMINESCENT LIGHT TAPE TYPE F2. PROVIDE 2-240V CIRCUITS, ONE FOR THE NORTH RUN OF F3 FIXTURES AND ONE FOR THE SOUTH RUN OF F3 FIXTURES. PROVIDE 2-480V CIRCUITS, ONE FOR THE WEST 8 POLE MOUNTED F1 FIXTURES AND ONE FOR THE EAST 8 POLE MOUNTED F1 FIXTURES.



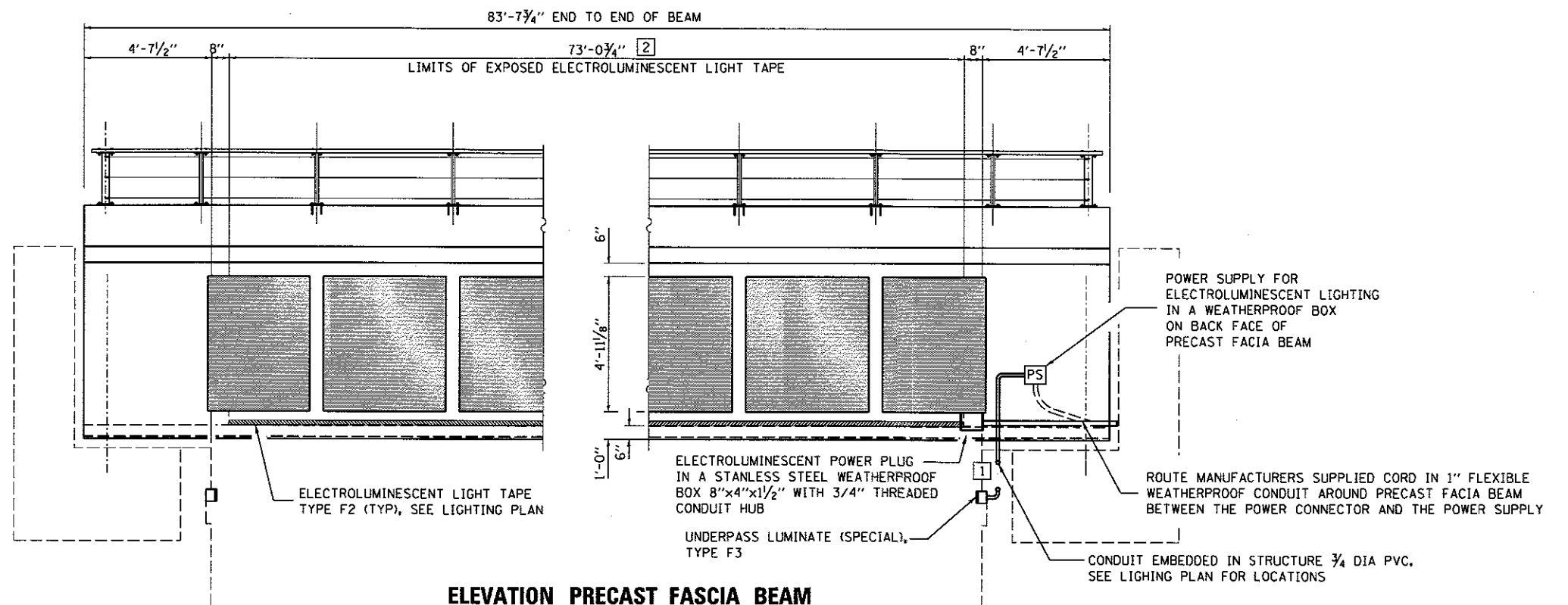
FINAL
DESIGNED: JWM 7/20/2015
DRAWN: CLG/RSJ 7/20/2015
REVIEWED: JWM 10/27/2015



ELEVATION - STEEL SACRIFICIAL BEAM
(LOOKING WEST, NSRR BRIDGE)

KEYED NOTES:

- 1 TYPICAL ELECTRICAL CONDUITS EMBEDDED IN STRUCTURE 3/4" DIA. PVC. SEE LIGHTING PLAN FOR LOCATIONS AND NUMBER OF CONDUITS REQUIRED.
- 2 COORDINATE EXACT LENGTH OF LIGHT TAPE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS AND EXACT SIZE OF WEATHERPROOF J-BOX PROTECTING LIGHT TAPE POWER CONNECTOR
- 3 JUNCTION BOX - STAINLESS STEEL EMBEDDED IN STRUCTURE, 4"x4"x3". COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE.



ELEVATION PRECAST FASCIA BEAM
(LOOKING EAST, UPRR BRIDGE)

FINAL
 DESIGNED: JWM 7/20/2015
 DRAWN: CLG 7/20/2015
 REVIEWED: MM 10/11/2015

FILE NAME =	USER NAME = pop00275	DESIGNED - JWM	REVISED -
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Sheet 1	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

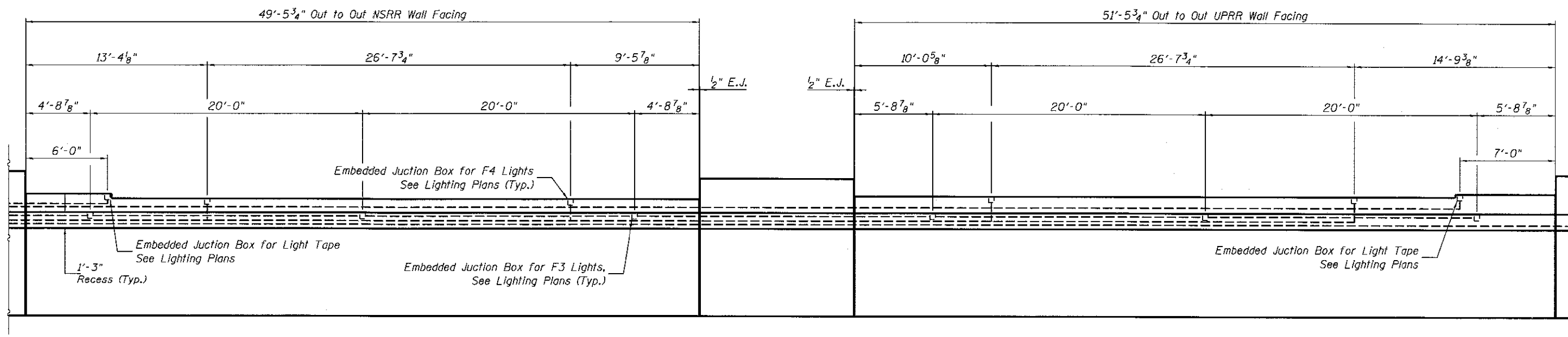
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS - ASH STREET - 1

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

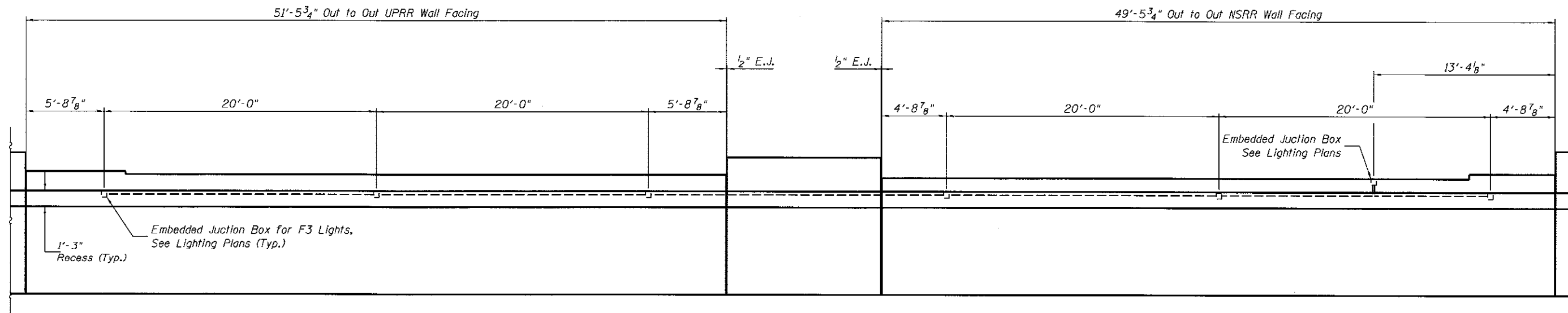
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	14-00477-00-BR	SANGAMON	403	186
	09L0179B	CONTRACT NO. 93704		
ILLINOIS FED. AID PROJECT				



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ELEVATION - SOUTH ABUTMENT WALL FACINGS
(Looking South)



ELEVATION - NORTH ABUTMENT WALL FACINGS
(Looking North)

FINAL
DESIGNED - JWM 7/26/2013
DRAWN - RSJ 7/20/2015
REVIEWED - MNM 10/17/2016

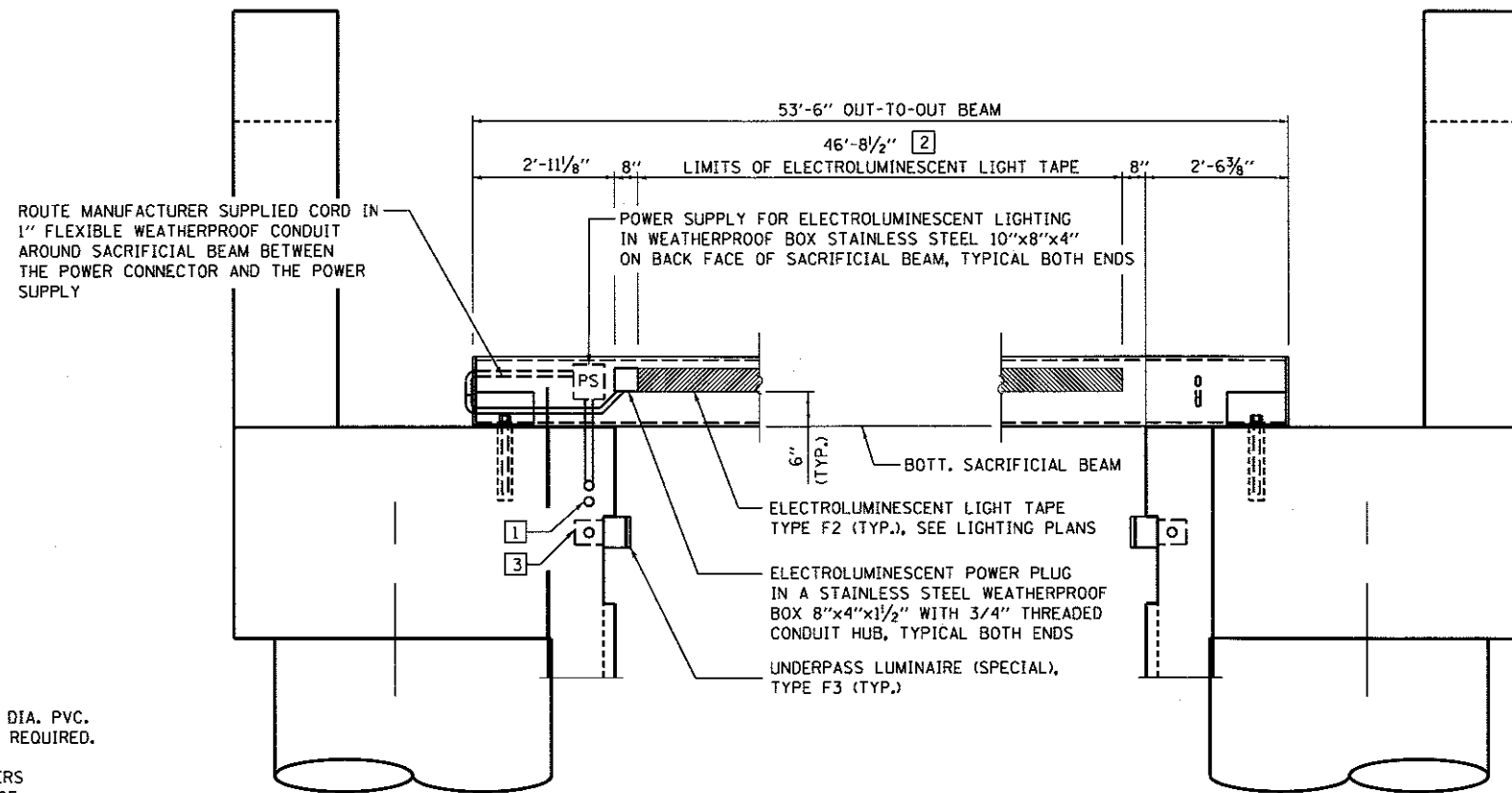
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS - ASH STREET - 2

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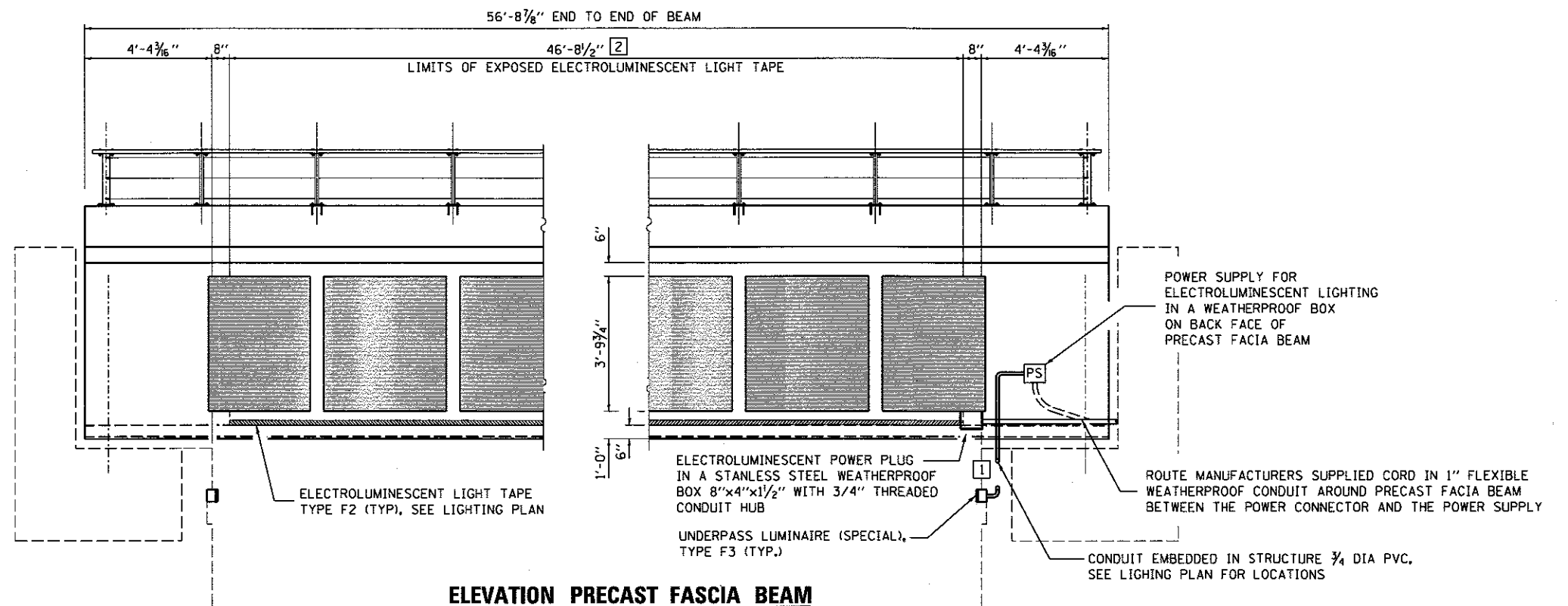
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	14-00477-00-BR	SANGAMON	403	187
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



ELEVATION - STEEL SACRIFICIAL BEAM
(LOOKING WEST, NSRR BRIDGE)

KEYED NOTES:

- 1 TYPICAL ELECTRICAL CONDUITS EMBEDDED IN STRUCTURE 3/4" DIA. PVC. SEE LIGHTING PLAN FOR LOCATIONS AND NUMBER OF CONDUITS REQUIRED.
- 2 COORDINATE EXACT LENGTH OF LIGHT TAPE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS AND EXACT SIZE OF WEATHERPROOF J-BOX PROTECTING LIGHT TAPE POWER CONNECTOR
- 3 JUNCTION BOX - STAINLESS STEEL EMBEDDED IN STRUCTURE, 4"x4"x3". COST INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE.



ELEVATION PRECAST FACIA BEAM
(LOOKING EAST, UPRR BRIDGE)

FINAL
DESIGNED: JWM 7/20/2013
DRAWN: RSJ 7/20/2013
REVIEWED: MNM 10/17/2014

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PLOT DATE = 2/24/2017			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

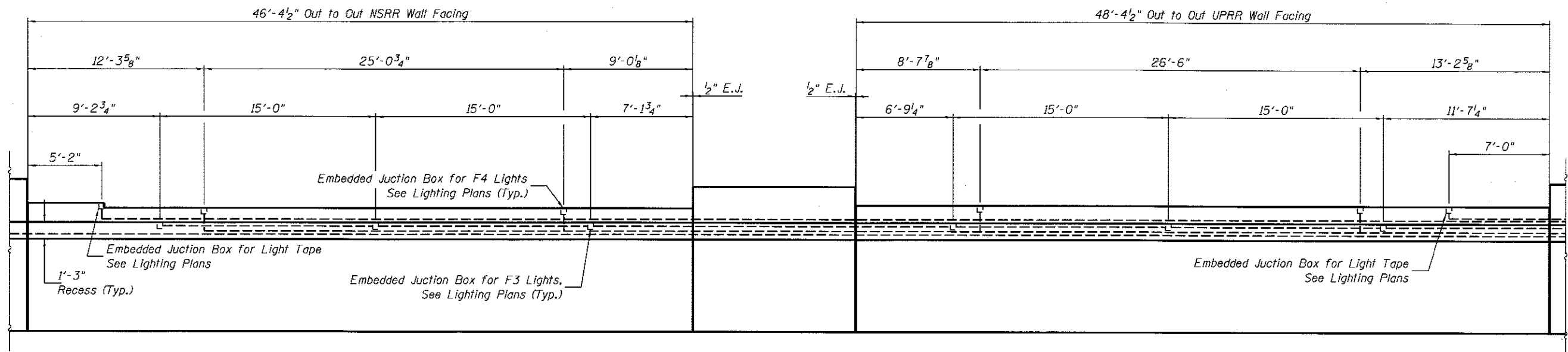
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS - LAUREL STREET - 1

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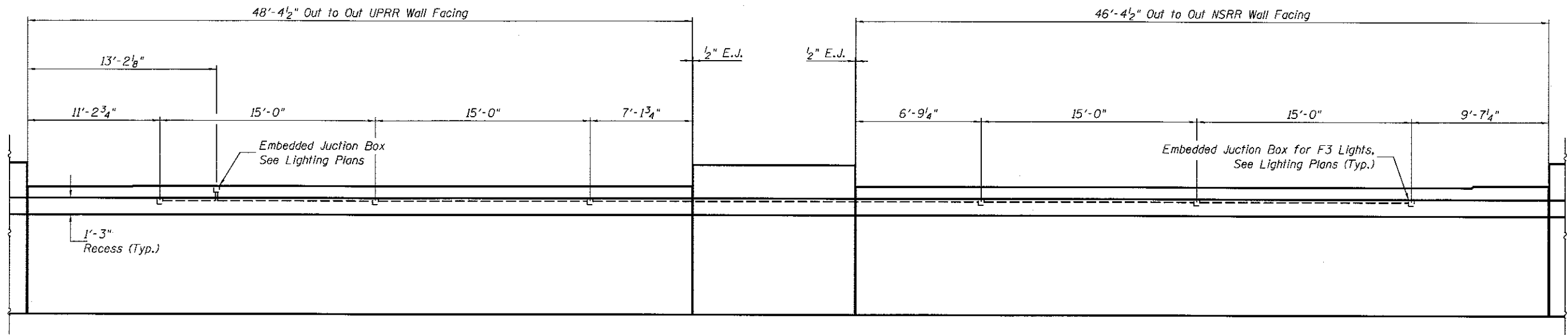
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	09L0179B		CONTRACT NO. 93704	
ILLINOIS FED. AID PROJECT				



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ELEVATION - SOUTH ABUTMENT WALL FACINGS
(Looking South)



ELEVATION - NORTH ABUTMENT WALL FACINGS
(Looking North)

FINAL
DESIGNED JWM 7/20/2015
DRAWN RSJ 7/20/2015
REVIEWED MNM 10/11/2015

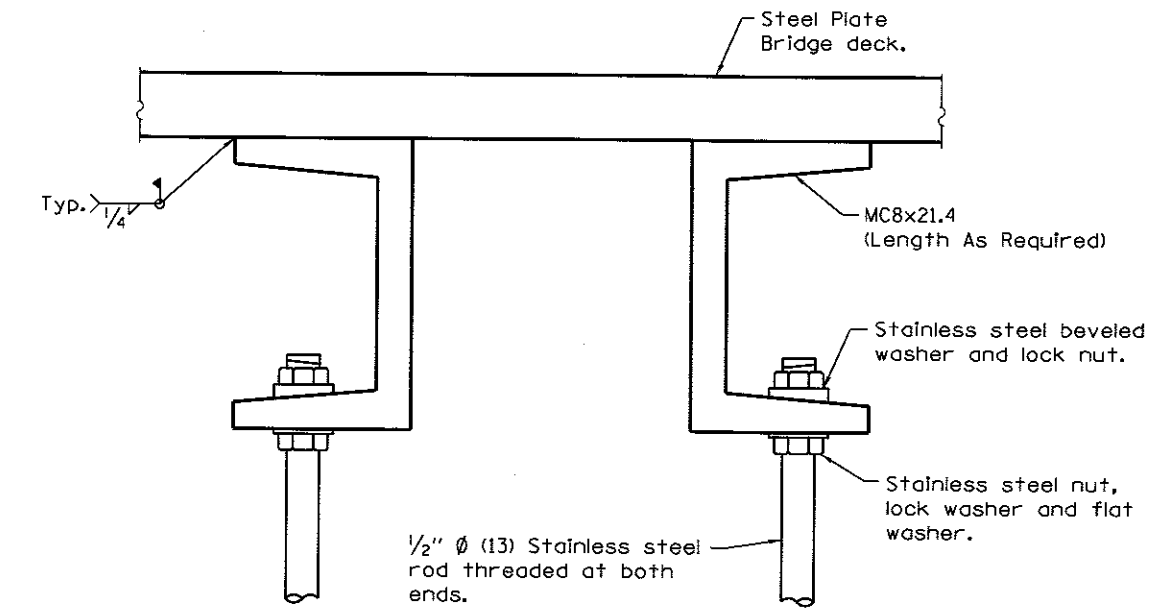
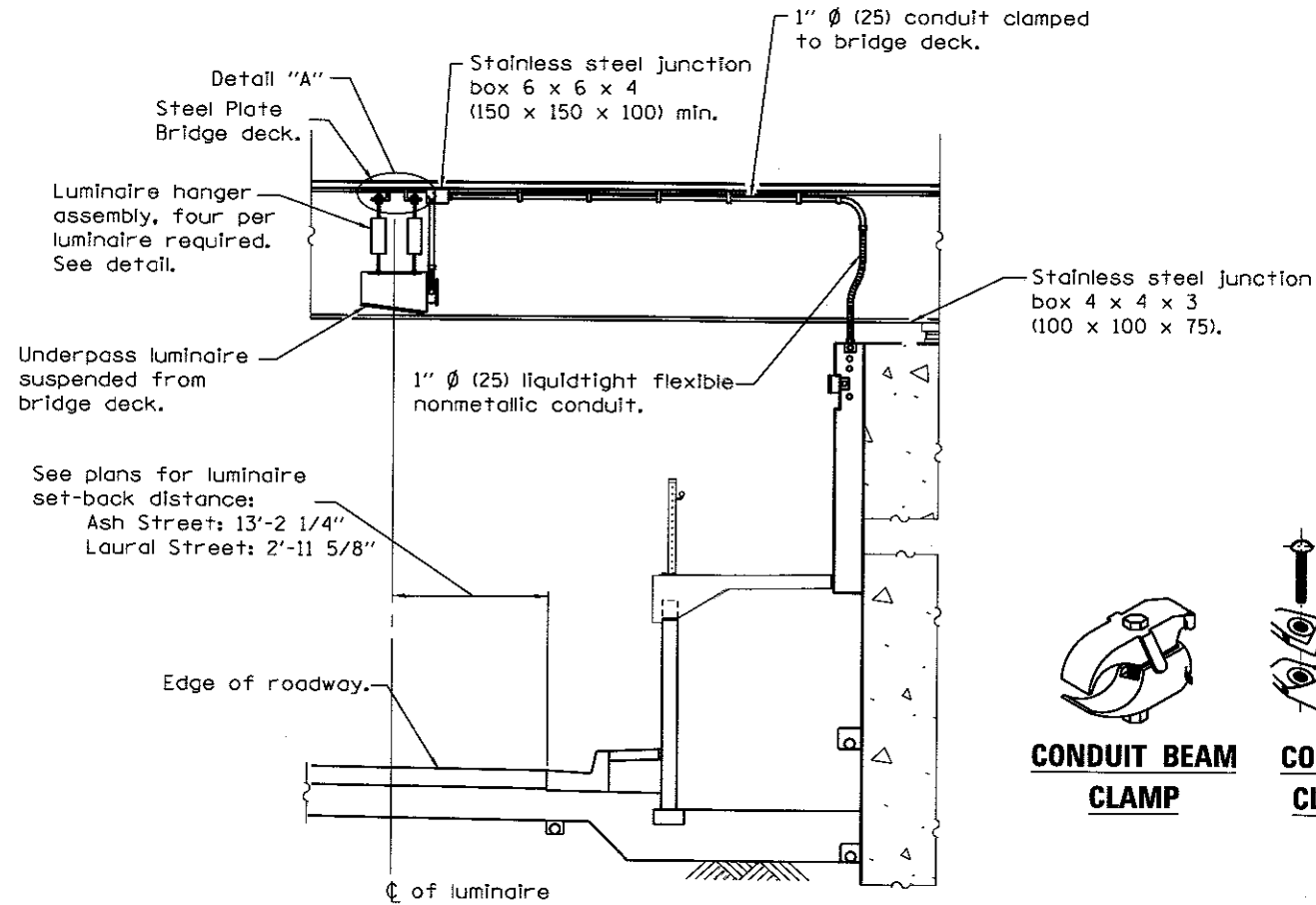
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS - LAUREL STREET - 2**

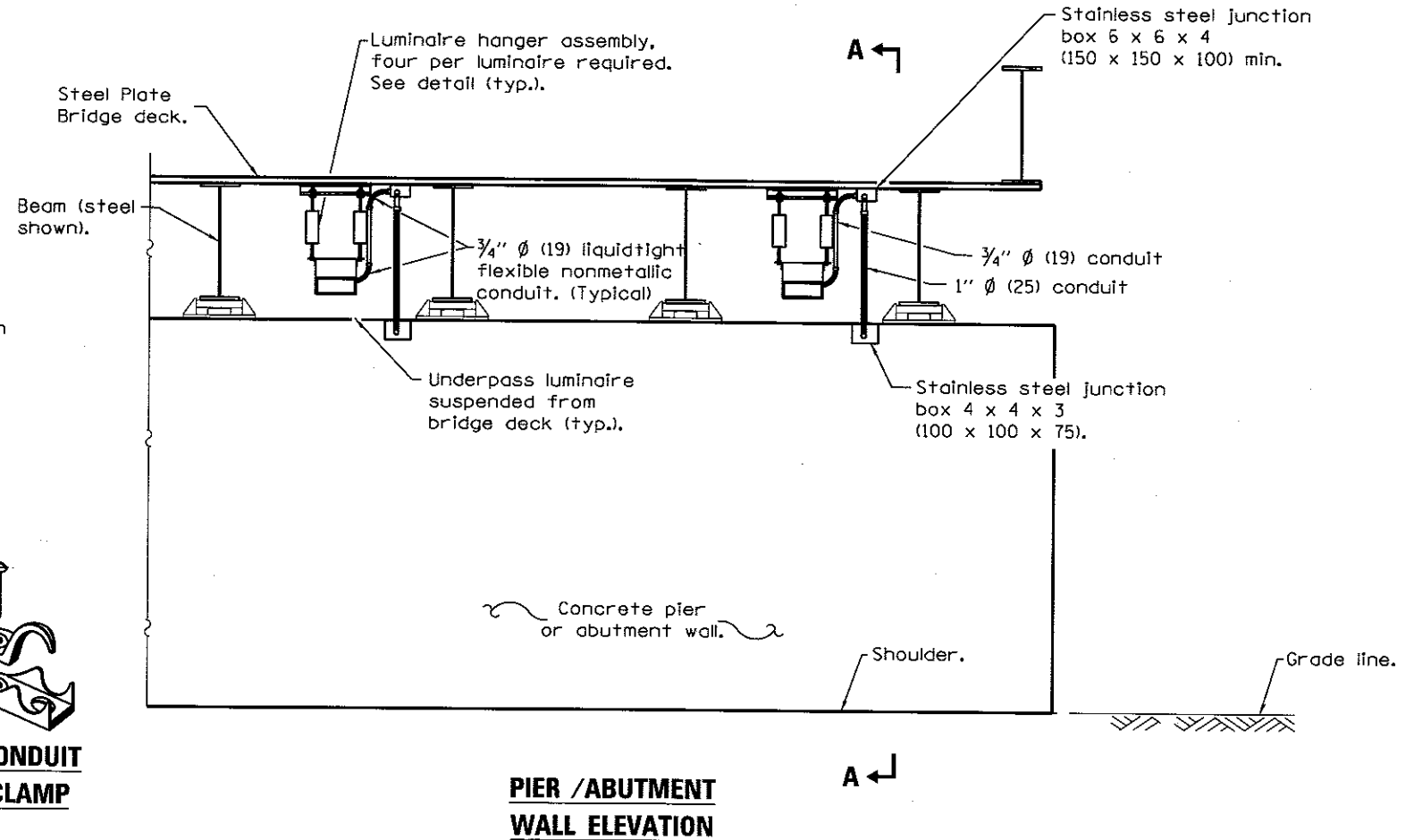
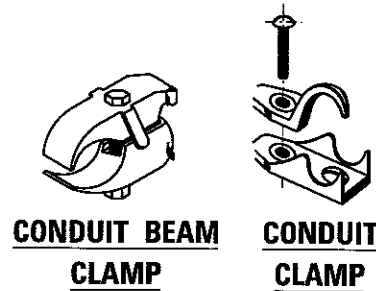
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ILLINOIS FED. AID PROJECT				

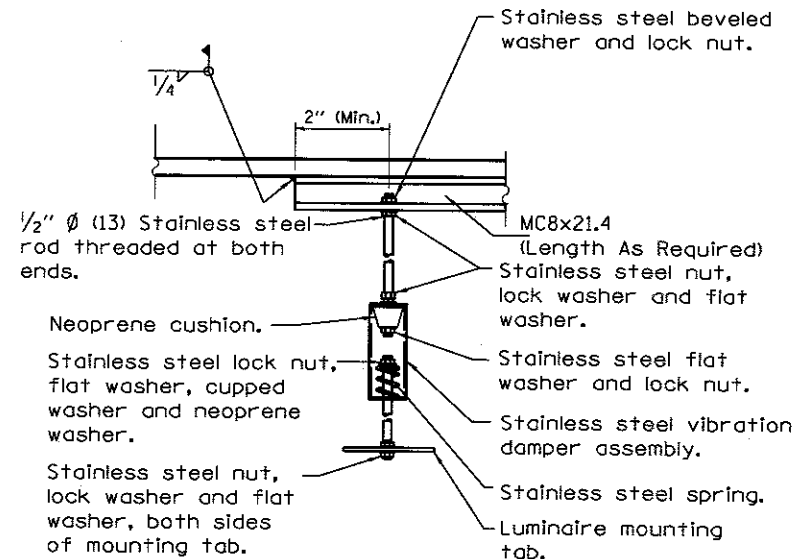


DETAIL "A"

**UPRR BRIDGE
DETAILS**



**PIER / ABUTMENT
WALL ELEVATION**



**LUMINAIRE HANGER
ASSEMBLY DETAIL**

GENERAL NOTES

No field drilling of the steel plate bridge deck will be allowed.

See plans for underpass luminaire locations.

Underpass luminaires shall be centered between beams unless otherwise directed by the Engineer.

Optics of underpass luminaires shall be installed 1 inch above the bottom of the beams with no parts of the luminaire or attached conduit below the beams.

Rigid conduit may be used in lieu of flexible conduit except at abutments.

Stainless steel conduit shall be used beneath any openings in the bridge deck.

Branch circuits to luminaires shown routed from underground. Branch circuits may also be routed from bridge parapet above.

All dimensions are in inches (millimeters) unless otherwise shown.

Clamps should not be fastened to steel bridge deck directly. Contractor shall weld small plates to deck where clamps necessary and attach the clamp to the small plate. Cost included with conduit attached to structure.

FINAL
DESIGNED JWM 11/20/2015
DRAWN RSJ 7/20/2016
REVIEWED MNM 10/11/2016

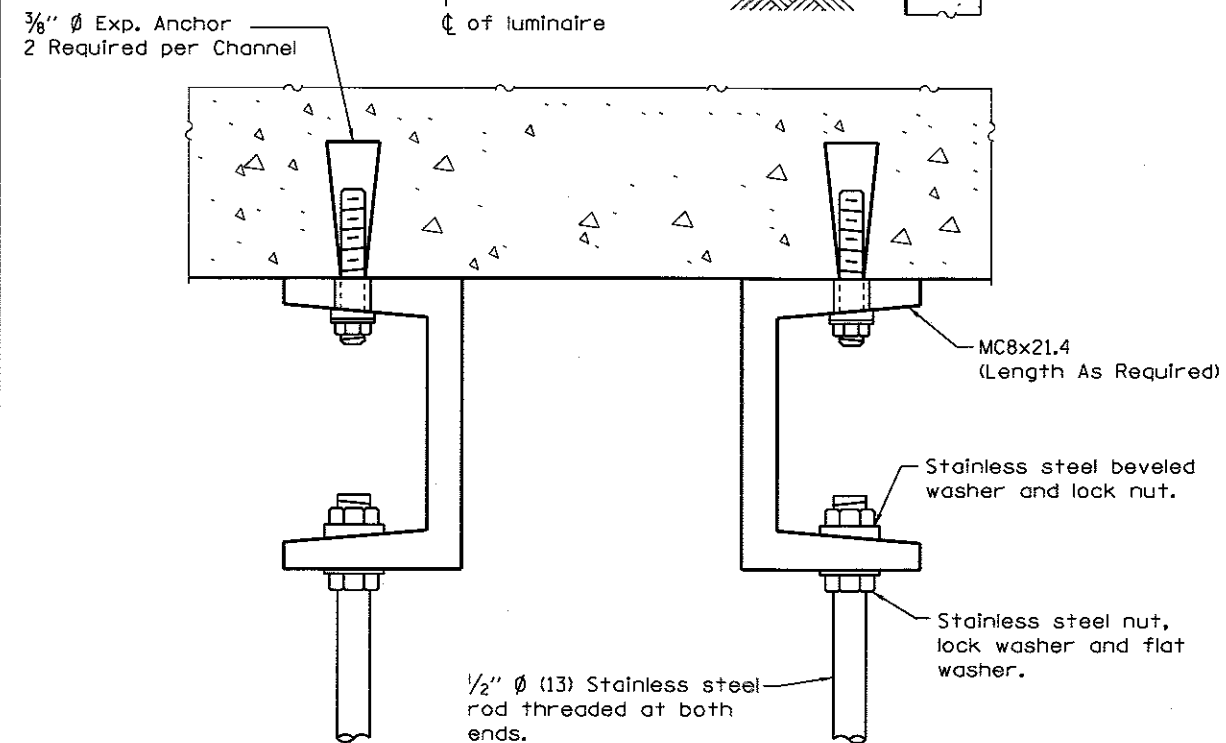
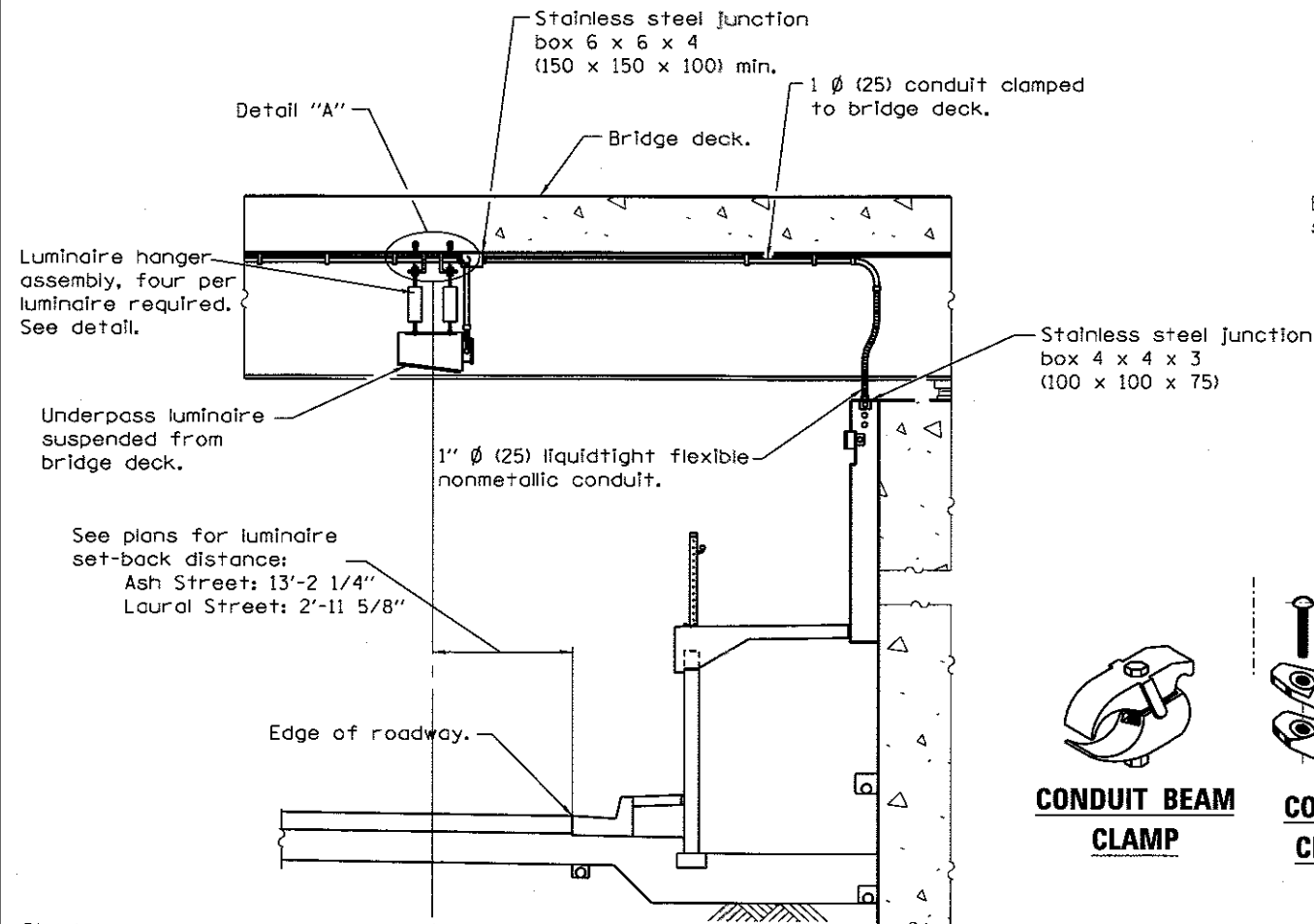
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		DATE - 2/24/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

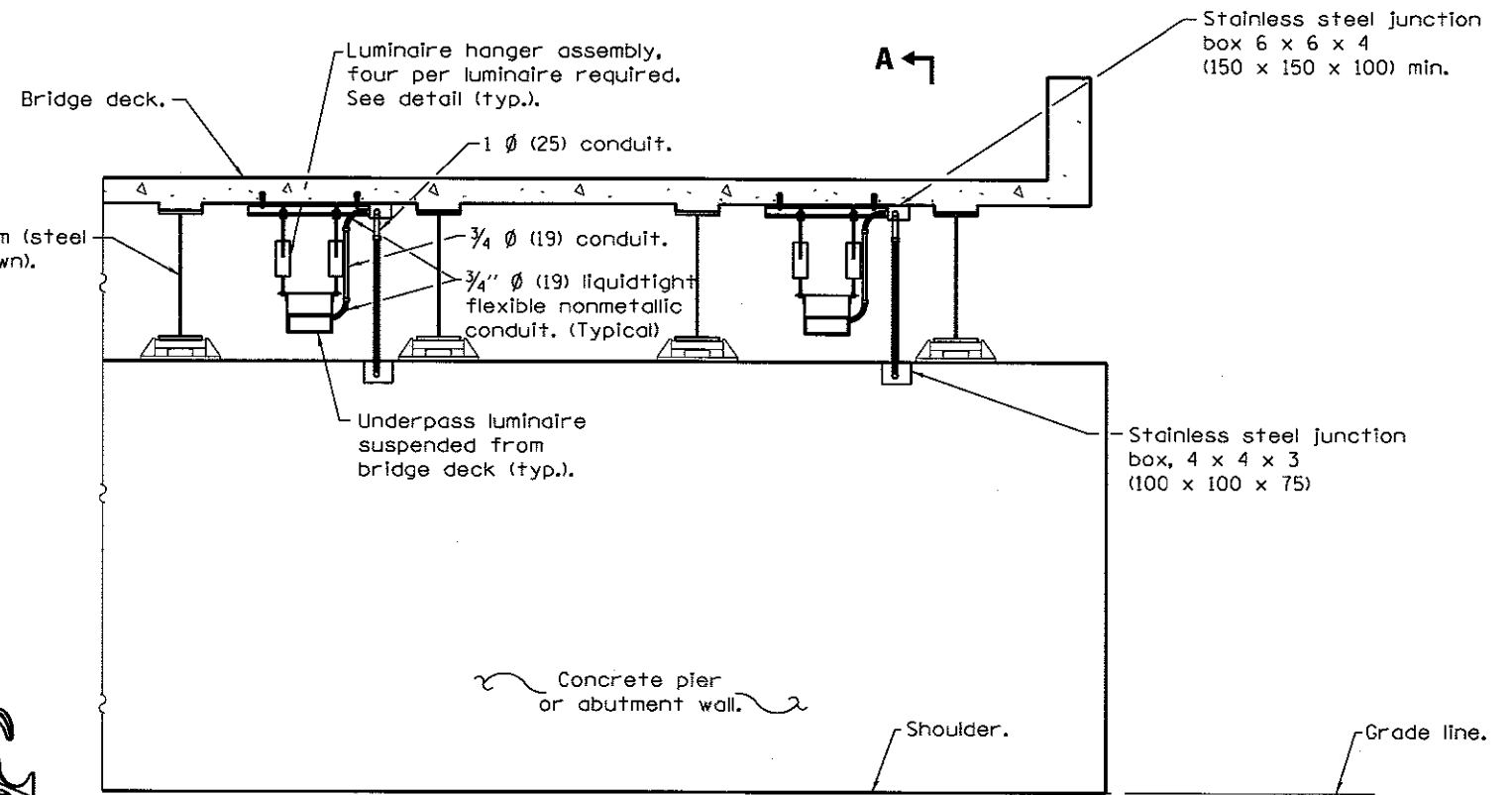
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**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS - LIGHTING SUSPENDED FROM METAL DECK**

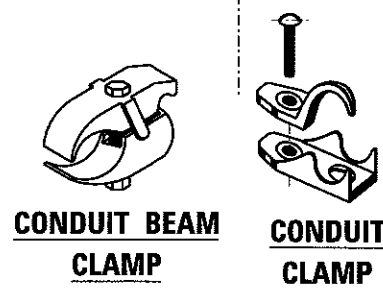
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	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



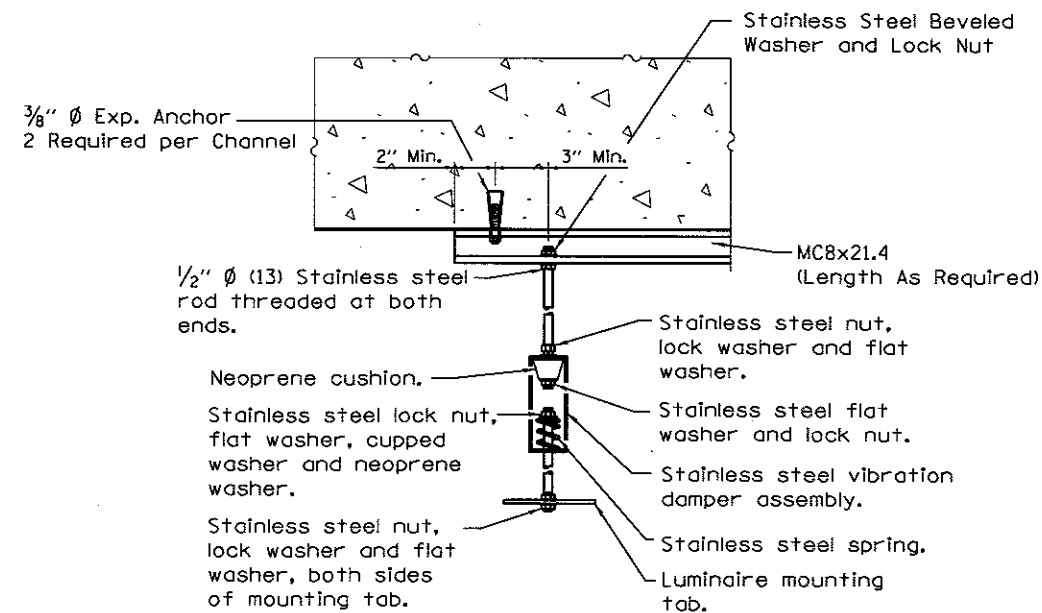
DETAIL "A"



PIER / ABUTMENT WALL ELEVATION



NSRR BRIDGE DETAILS



LUMINAIRE HANGER ASSEMBLY DETAIL

GENERAL NOTES

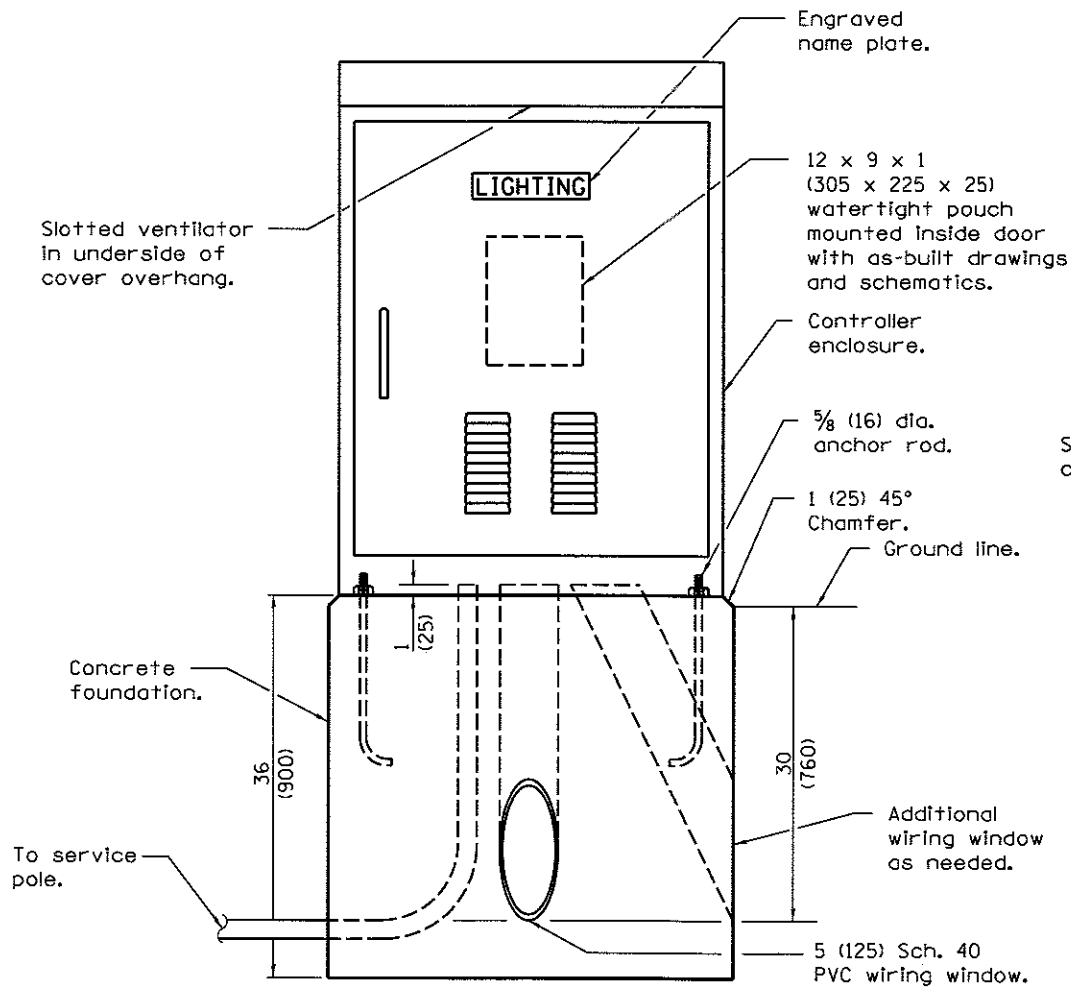
- See plans for underpass luminaire locations.
- Underpass luminaires shall be centered between beams unless otherwise directed by the Engineer.
- Optics of underpass luminaires shall be installed 1 inch above the bottom of the beams with no parts of the luminaire or attached conduit below the beams.
- Rigid conduit may be used in lieu of flexible conduit except at abutments.
- Stainless steel conduit shall be used beneath any openings in the bridge deck.
- Branch circuits to luminaires shown routed from underground. Branch circuits may also be routed from bridge parapet above.
- All dimensions are in inches (millimeters) unless otherwise shown.

DESIGNED - JWM 7/20/2015
 DRAWN - RSJ 7/20/2015
 REVIEWED - MNM 07/17/2016

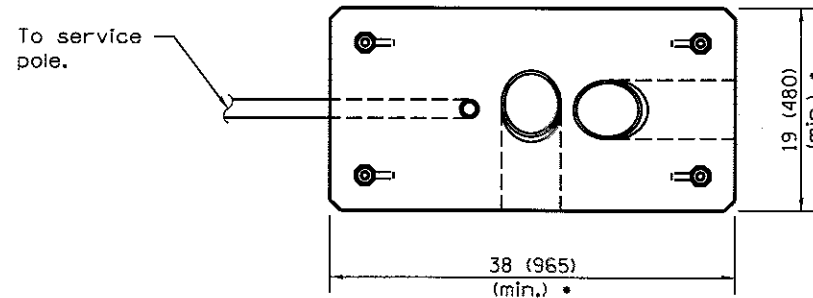
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

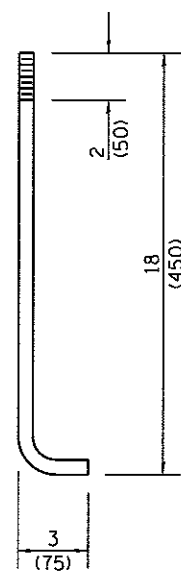
SPRINGFIELD RAIL IMPROVEMENTS PROJECT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS			14-00477-00-BR	SANGAMON	403	191
LIGHTING DETAILS - LIGHTING SUSPENDED FROM CONCRETE DECK			09L0179B			CONTRACT NO. 93704
SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



LIGHTING CONTROLLER



FOUNDATION (PLAN)
(Work pad not shown.)

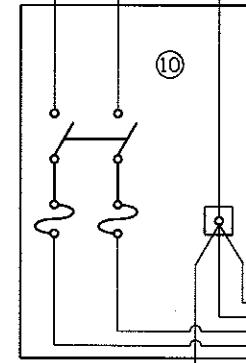


**ANCHOR ROD
DETAIL**

Controller enclosure, minimum dimensions: 50H x 36W x 17D • (1270 x 915 x 430)

Insulated mounting board.

Service conductors.



Neutral bar.

Equipment ground bar.

Ground rod in access well.

CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
- ⑫ 15 amp, 2-pole circuit breaker.
- ⑬ 100 amp*, 2-pole circuit breaker.
- ⑭ Terminal block sized for conductors as shown on plans.

All dimensions are in inches (millimeters) unless otherwise shown.

Sqaure D Mini Power Zone unit to be paid for as supplemental to the 480V Lighting Controller Pay Item #82500360

Feed Mini Power Zone from 20A/2P 480V breaker in lighting control panel.

Provide 3-20A/2P breakers in Mini-Power Zone 1 active for underpass lights and 2 spares.

FILE NAME =	USER NAME = pap00275	DESIGNED - JWM	REVISED -
D889L01798-shd-light-E03.dgn		DRAWN - RSJ	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
LIGHTING DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	192
	09L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



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GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE RAILROAD IF CONSTRUCTION ACTIVITIES ENCRDACH WITHIN 25 FT OF THE ADJACENT RAIL.
2. FINAL SITE GRADING SHALL OCCUR ONLY AFTER ALL IMPROVEMENTS HAVE BEEN COMPLETED.
3. THERE ARE TWO (2) DRAINAGE STRUCTURES NO. 1. EACH IS IDENTICAL WITH EXCEPTION OF THE INVERTS AND THE PIPES ENTERING AND EXITING THEM. THERE IS ONE (1) DRAINAGE STRUCTURE NO. 2. THESE DRAINAGE STRUCTURES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH.
4. THE ASH STREET PUMP STATION IS REFERRED TO AS PUMP STATION NO. 1

EXCAVATION AND BACKFILL NOTES:

1. DRAINAGE STRUCTURES, NO. 1 AND NO. 2 SHALL BE EXCAVATED USING A VERTICAL SHAFT BORING MACHINE.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED EXCAVATION PLAN AND DETAILED GROUT INSTALLATION AND DRAINAGE STRUCTURE INSTALLATION PLAN SEALED BY A PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK. THE EXCAVATION PLAN SHALL INCLUDE DRAWINGS AND DESIGN CALCULATIONS FOR TEMPORARY OR PERMANENT CASING. THE CALCULATIONS SHALL BE PREPARED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER. THIS APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE SAFETY OF THE EXCAVATION.
3. ALL EXCAVATION, SHORING, TEMPORARY OR PERMANENT CASING, AGGREGATE OR CONCRETE BASE, CONCRETE PRECAST MANHOLE SECTIONS, FLAT SLAB TOP, ACCESS HATCHES, LOCKING MECHANISM, MASTIC, SEALANT, WATERPROOFING GROUT, AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2, RESPECTIVELY.
4. TEMPORARY OR PERMANENT CASING SHALL BE ACCORDING TO SECTION 516 OF THE STANDARD SPECIFICATIONS. GALVANIZED CMP MAY ALSO BE USED AS PERMANENT CASING. IF CMP IS USED AS A PERMANENT CASING, THE ANNULAR SPACE BETWEEN THE CMP AND THE EDGE OF THE BORING SHALL BE FILLED WITH NON-SHRINK GROUT FROM THE BASE TO ELEVATION 579.
5. THE STRUCTURES SHALL BE EXCAVATED AND INSTALLED ONE AT A TIME WITH EACH BEING GROUTED AND BACKFILLED COMPLETELY BEFORE COMMENCING CONSTRUCTION ON THE NEXT.
6. THE ANNULAR SPACE BETWEEN THE DRAINAGE STRUCTURE WALL AND THE EDGE OF THE BORING WITH A TEMPORARY CASING OR BETWEEN THE DRAINAGE STRUCTURE AND PERMANENT CASING SHALL BE FILLED WITH NON-SHRINK GROUT FROM THE BASE TO ELEVATION 579.
7. FROM ELEVATION 579 TO THE SURFACE, THE ANNULAR SPACE BETWEEN THE MANHOLE SECTION AND THE EDGE OF THE BORING WITH A TEMPORARY CASING OR BOTH SIDES OF THE PERMANENT CASING SHALL BE FILLED WITH NON-SHRINK GROUT OR CONTROLLED LOW STRENGTH MATERIAL, MIX 2.
8. THE DRAINAGE STRUCTURE SHALL BE CHECKED AFTER THE INSTALLATION OF EACH SECTION TO ENSURE A TRUE VERTICAL INSTALLATION. IF THE ALIGNMENT IS OFF, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION TO SHIM THE STRUCTURE BACK INTO LEVEL.
9. MATERIAL REMOVED FROM THE EXCAVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

DRAINAGE STRUCTURE PIPE CONNECTION NOTES:

1. THE TWO DRAINAGE STRUCTURES, NO. 1; AND DRAINAGE STRUCTURES NO. 1 AND DRAINAGE STRUCTURES NO. 2 SHALL BE CONNECTED BY 36" DIAMETER CLASS 52 DUCTILE IRON PIPE.
2. ALL MATERIAL AND LABOR ASSOCIATED WITH EXCAVATING FOR AND INSTALLING THE 36" DIAMETER PIPE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR STORM SEWER CONNECTION.
3. THE PIPE SHALL BE INSTALLED BY TUNNELED EXCAVATION AFTER THE TWO STRUCTURES HAVE BEEN INSTALLED AND BACKFILLED.
4. ONCE THE OPENING HAS BEEN EXCAVATED, AND THE PIPE INSTALLED, THE PIPE SHALL BE SEALED TO DRAINAGE STRUCTURES, NO. 1 AND NO. 2 WITH A NON-SHRINK GROUT AND 2" DIAMETER GROUT FILL AND VENT PORTS.
5. ONCE THE GROUT HAS DRIED, THE ANNULAR SPACE BETWEEN THE ROCK AND THE PIPE SHALL BE GROUTED UNTIL MATERIAL EXITS THE VENT. ONCE THE GROUT HAS CURED, THE GROUT PIPES SHALL BE CUT OFF FLUSH WITH THE INTERIOR OF DRAINAGE STRUCTURES, NO. 1 AND NO. 2.
6. STORM SEWERS JACKED IN PLACE, 24" SHALL MEET THE REQUIREMENTS OF SECTION 552 OF THE STANDARD SPECIFICATIONS AND AS SPECIFIED IN THE SPECIAL PROVISIONS.
7. THE STORM SEWER SHALL HAVE A 36-IN DIAMETER STEEL CASING JACKED AND BORED FROM STRUCTURE A16 TO DRAINAGE STRUCTURES NO. 1 WITH THE 24-IN DIAMETER STORM SEWER INSTALLED WITHIN IT. CASING SPACERS SHALL BE USED TO SUPPORT THE CARRIER PIPE WITHIN THE CASING. A CASING END SEAL SHALL BE USED TO SEAL THE CASING TO THE CARRIER PIPE. AT DRAINAGE STRUCTURES, NO. 1, GROUT BETWEEN THE CASING AND THE CARRIER PIPE.
8. THE 24" DIAMETER STORM SEWER SHALL BE SOLID WALL PS46 PIPE.
9. THE 36" DIAMETER STEEL CASING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STORM SEWERS JACKED IN PLACE, 24".

PUMPING STATION NOTES:

1. THE VALVE VAULT, PUMPS, PUMP BASES, RAILS AND LIFTING CHAINS SHALL ALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PUMPING STATION.
2. ALL PIPING, FITTINGS, VALVES AND PIPE SUPPORT BRACKETS FROM THE PUMP BASE, THROUGH THE VALVE VAULT TO TWO FEET OUTSIDE THE VALVE VAULT SHALL BE PAID FOR UNDER PUMP STATION MECHANICAL WORK.
3. ALL VALVES AND FITTINGS IN THE VALVE VAULT SHALL BE SUPPORTED ON STEEL PIPE SUPPORTS.
4. THE 2" SCHEDULE 40 DRAIN AND CHECK VALVE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PUMP STATION MECHANICAL WORK.

DRAINAGE STRUCTURES AND VALVE VAULT NOTES:

1. THE ACCESS HATCHES CAST INTO THE LIDS OF DRAINAGE STRUCTURES, NO. 1 AND NO. 2 SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2 RESPECTIVELY.
2. THE VALVE VAULT AND ASSOCIATED EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PUMPING STATION.
3. THE VALVE VAULT SHALL CONFORM TO ASTM C-913. THE STRUCTURE SHALL BE DESIGNED FOR EARTH LOADS AND HS-20 LIVE LOAD FOR VEHICULAR TRAFFIC.
4. THE PRECAST LID FOR DRAINAGE STRUCTURES, NO. 1 SHALL BE SEALED TO THE TOP RING SECTION WITH A DOUBLE ROW OF BUTYL MASTIC. THE LID SHALL HAVE A CAST IN PLACE ALUMINUM ACCESS FRAME AND HATCH. THE HATCH SHALL BE HINGED WITH A FLUSH LOCKING MECHANISM 36" X 36" MINIMUM CLEAR OPENING. THE TOP OF THE HATCH SHALL BE A MINIMUM 1/4" ALUMINUM DIAMOND TREAD PLATE.
5. THE PRECAST CONCRETE LID FOR DRAINAGE STRUCTURES, NO. 2 SHALL BE SEALED TO THE TOP BARREL SECTION WITH TWO ROWS OF BUTYL MASTIC. THE LID SHALL HAVE A FABRICATED GALVANIZED STEEL FRAME AND HATCH SYSTEM PER THE PLANS. ORIENTATION OF THE HATCH SYSTEM SHALL BE COORDINATED WITH THE PUMP MANUFACTURER.
6. AFTER INSTALLATION IS COMPLETE, IF THERE ARE WATER LEAKS AT JOINTS, THE CONTRACTOR SHALL WATERPROOF THE LEAKS USING DRILLED PORTS AROUND THE LEAK AND A HYDROPHILIC GROUT. IF REQUIRED, IT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2, RESPECTIVELY.
7. ALL PENETRATIONS THROUGH THE WALLS OF THE DRAINAGE STRUCTURES SHALL BE SEALED WITH NON-SHRINK GROUT.
8. DRAINAGE STRUCTURES SHALL BE CHECKED DURING INSTALLATION AND GROUTING TO ENSURE A TRUE VERTICAL INSTALLATION. IF THE ALIGNMENT IS OFF, THE CONTRACTOR SHALL TAKE CORRECTIVE MEASURES TO SHIM THE STRUCTURE BACK TO LEVEL.
9. THE EXTERIOR AND BOTTOM OF THE VALVE VAULT SHALL RECEIVE TWO COATS OF ASPHALT EMULSION WATERPROOFING IN ACCORDANCE WITH SECTION 503.18 OF THE STANDARD SPECIFICATIONS.

DRAINAGE STRUCTURES PRECAST CONCRETE MANHOLE:

1. DRAINAGE STRUCTURES SHALL BE PRECAST REINFORCED CONCRETE MANHOLES CONFORMING TO SECTION 1042 OF THE STANDARD SPECIFICATIONS. STRUCTURES SHALL BE WATER TIGHT. THE PRECAST CONCRETE MANHOLE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. THE EXTERIOR AND BOTTOM OF THE BASE OF THE STRUCTURES SHALL RECEIVE TWO COATS OF ASPHALT EMULSION WATERPROOFING IN ACCORDANCE WITH SECTION 503.18 OF THE STANDARD SPECIFICATIONS.
3. THE DRAINAGE STRUCTURE SECTIONS SHALL BE A MINIMUM OF 4-FT TALL WITH THE EXCEPTION OF THE FINAL SECTION. EACH SECTION SHALL BE SEALED WITH TWO (2) STRIPS OF BUTYL RUBBER SEALANT. JOINTS IN THE BUTYL RUBBER SEALANT SHALL BE OVERLAPPED TO PREVENT GAPS.
4. THE ANNULAR SPACE BETWEEN THE STRUCTURES AND THE DRILLED SHAFT SHALL BE FILLED WITH NON-SHRINK GROUT. THE GROUT SHALL BE INSTALLED AFTER EACH BARREL SECTION IS INSTALLED FROM ELEVATION 560 TO 579. FROM ELEVATION 579 TO THE SURFACE, THE ANNULAR SPACE BETWEEN THE MANHOLE AND DRILLED SHAFT SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL OR NON-SHRINK GROUT.
5. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR INSTALLING THE GROUT AND DRAINAGE STRUCTURES TO THE ENGINEER FOR APPROVAL BEFORE COMMENCING THE WORK. THE PLAN SHALL ADDRESS THE INSTALLATION METHOD AND BUOYANCY ISSUES DURING INSTALLATION. THIS APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR GROUTING AND INSTALLING THE DRAINAGE STRUCTURE.
6. IF GROUNDWATER IS PRESENT BETWEEN THE STRUCTURE AND THE DRILLED SHAFT, THE CONTRACTOR SHALL USE A GROUT FORMULATED FOR CURING UNDER WATER AND SHALL INSTALL THE GROUT FROM THE BOTTOM-UP USING A TREMIE OR PUMP.
7. THE NON-SHRINK GROUT SHALL CONFORM TO ASTM C-1107 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AFTER 28 DAYS. THE ADDITION OF AGGREGATE TO THE PREPACKAGED PRODUCT WILL BE PERMITTED AND SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. IN LIEU OF NON-SHRINK GROUT AROUND THE DRAINAGE STRUCTURE, THE CONTRACTOR MAY USE CLASS DS CONCRETE WITH 8-10 INCH SLUMP AT POINT OF PLACEMENT.

FINAL
 DESIGNED - JWM 1/20/2015
 DRAWN - CLG 1/20/2015
 REVIEWED - JMM 10/21/2015

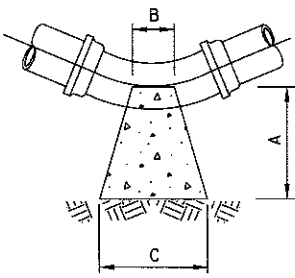
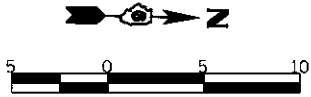
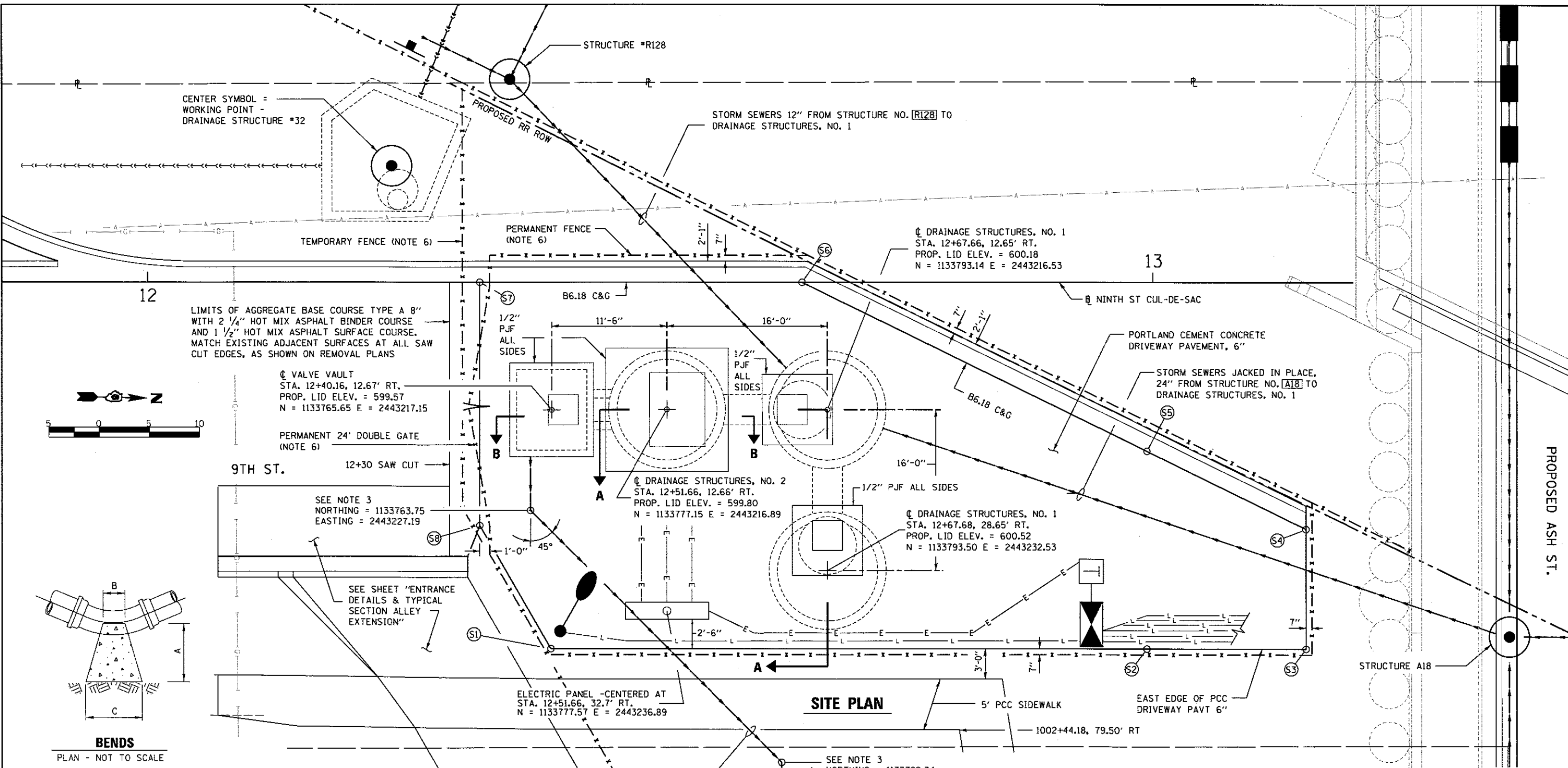
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D609L01798-PS1.GN.ASH10-01.dgn		DRAWN - CLG	REVISED -
Sheet	PLOT SCALE = 10.0000' / 1"	CHECKED - JWM/JMM	REVISED -
	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PUMP STATION NO. 1 - ASH STREET - GENERAL NOTES -1

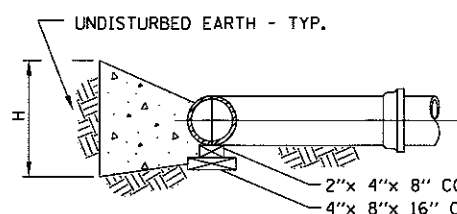
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	193
	09L01798	CONTRACT NO.	93704	
[ILLINOIS] FED. AID PROJECT				

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.



BENDS
PLAN - NOT TO SCALE

HORIZONTAL THRUST BLOCKING



TYPICAL SECTION
NOT TO SCALE

THRUST BLOCK DIMENSIONS (INCHES)										
PIPE DIAMETER INCHES	ALL FTGS.	90 DEGREE BEND			45 DEGREE BEND		22-1/2 DEGREE BEND		11-1/4 DEGREE BEND	
		A	B	C	H	C	H	C	H	C
12	24	12	42	27	30	20	24	15	18	12

DIMENSIONS (INCHES) BASED ON 60 PSI WORKING PRESSURE AND 1500 PSF ALLOWABLE SOIL BEARING PRESSURE. DIMENSIONS MAY BE REDUCED IF CONTRACTOR FURNISHES SOIL TESTING RESULTS DEMONSTRATING HIGHER ALLOWABLE SOIL BEARING PRESSURE.

SITE PLAN

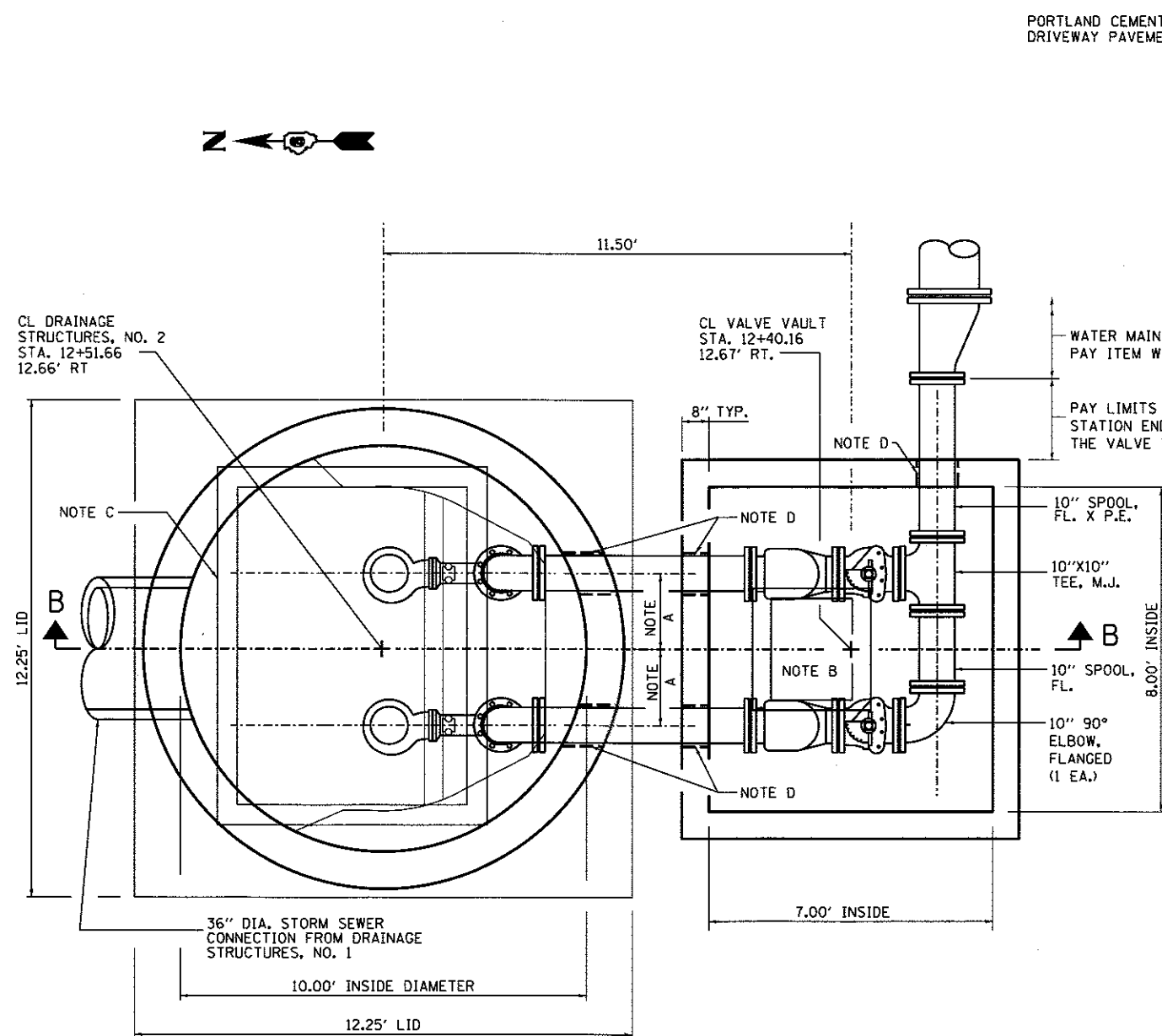
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

POINT	NORTHING	EASTING	ELEVATION
Ⓢ1	1133766.06	2443240.89	599.73
Ⓢ2	1133825.40	2443239.625	600.90
Ⓢ3	1133841.24	2443239.28	601.00
Ⓢ4	1133840.98	2443227.38	601.00
Ⓢ5	1133824.98	2443219.97	600.86
Ⓢ6	1133790.35	2443203.94	599.92
Ⓢ7	1133758.22	2443204.63	599.28
Ⓢ8	1133758.74	2443228.80	599.50

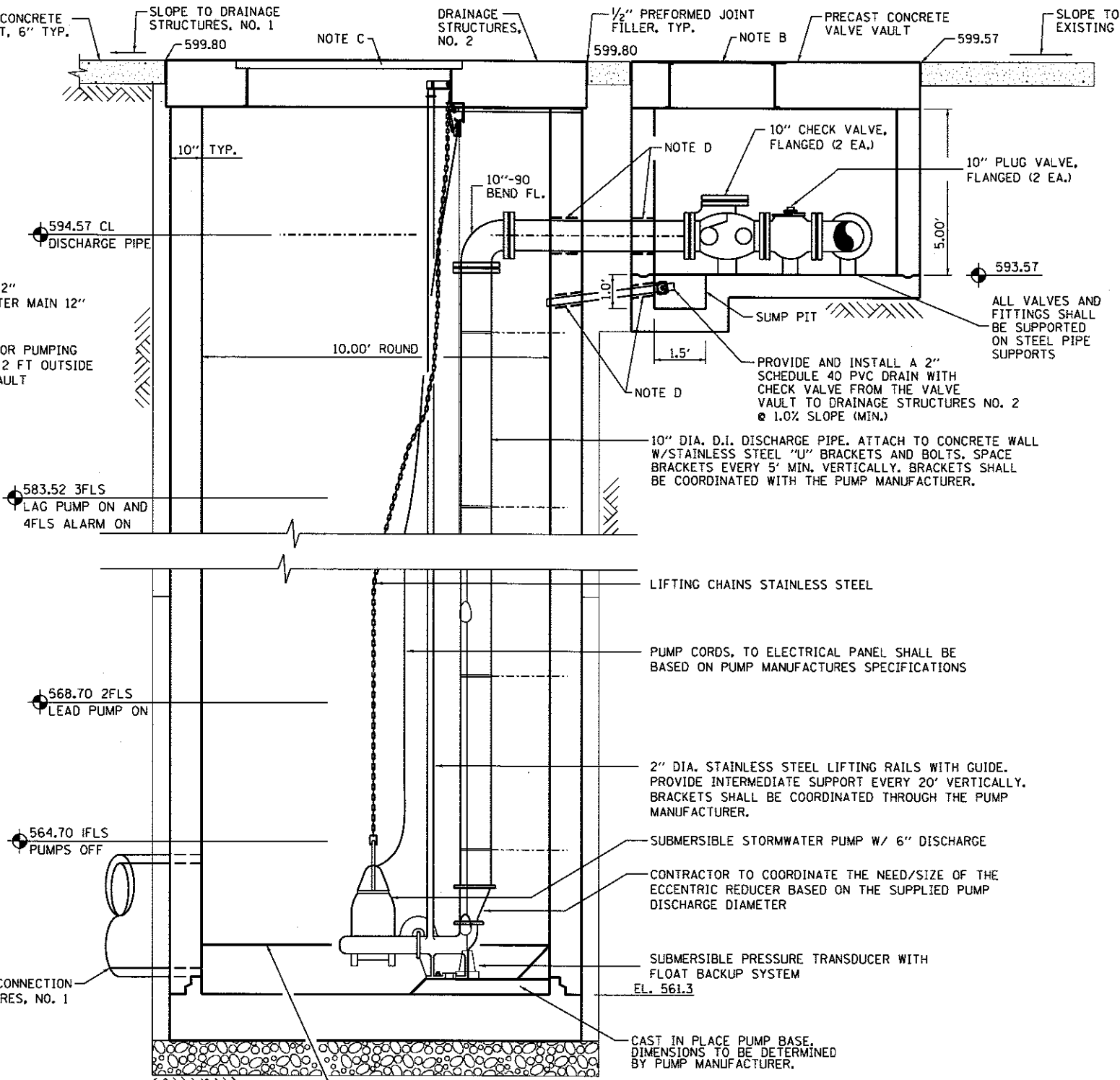
NOTES:

- SEE PUMP STATION PRC DETAILS SH. FOR SECTION A-A. SEE PUMP STATION MECHANICAL LAYOUT SH. FOR SECTION B-B.
- CONTRACTOR SHALL VERIFY THE DEPTH OF THE DISCHARGE PIPE.
- PROVIDE THRUST BLOCKING AT ALL BENDS IN FORCE MAIN. THE COST OF PROVIDING THRUST BLOCKS INCLUDED WITH THE FORCE MAIN PAY ITEM WATER MAIN 12".
- TRENCH BACKFILL SHALL BE USED FOR THE 12" FORCE MAIN WHERE THERE IS PAVEMENT.
- EXISTING UTILITY CONFLICTS - SEE GENERAL NOTES & REMOVAL PLANS FOR INFORMATION REGARDING ADJUSTMENTS AND REMOVAL LIMITS.
- SEE FENCING PLAN - ASH STREET.

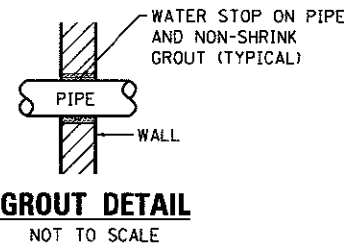
FINAL
DESIGNED LJB 7/20/2015
DRAWN CLG 7/20/2015
REVIEWED MNM 10/17/2016



**MECHANICAL LAYOUT
DRAINAGE STRUCTURES, NO. 2 AND VALVE VAULT PLAN**
NOT TO SCALE



**MECHANICAL LAYOUT
SECTION B-B**
NOT TO SCALE



NOTES

- A. 1.875' - CONTRACTOR TO VERIFY DIMENSION WITH PUMP MANUFACTURE FOR MINIMUM PUMP SPACING
- B. 36" X 36" ALUMINUM ACCESS FRAME AND HATCH.
- C. CUSTOM HATCH SYSTEM. SEE MISCELLANEOUS PUMP STATION DETAILS 2 SHEET.
- D. GROUT TYP. (SEE DETAIL THIS SHEET)

DESIGNED - LJB 7/20/2016
DRAWN - CLG 7/20/2016
REVIEWED - MNM 8/07/2016

FILE NAME = 0609L0179B-PS3_MECH_LAYOUT_ASH08-03.dgn	USER NAME = pop00275	DESIGNED - LJB	REVISED -
PLDT SCALE = 4:8.0000 "1" / in.	CHECKED - JWM/MNM	DRAWN - CLG	REVISED -
PLDT DATE = 2/24/2017	DATE -		REVISED -

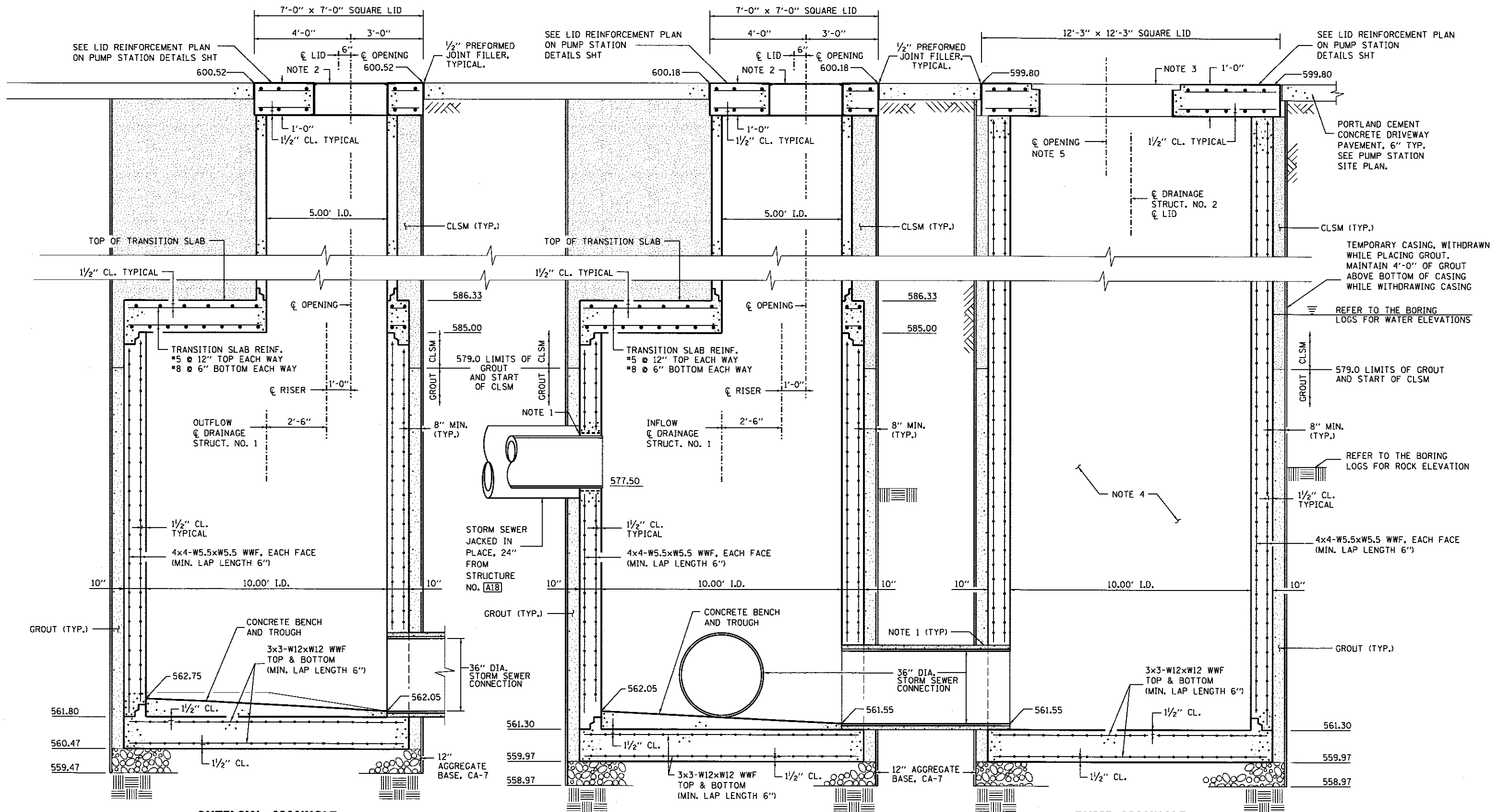
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PUMP STATION NO. 1 - ASH STREET - MECHANICAL LAYOUT - 3**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	195
09L0179B		CONTRACT NO. 93704		
ILLINOIS FED. AID PROJECT				



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OUTFLOW MANHOLE
DRAINAGE STRUCTURES, NO. 1
 PRECAST REINFORCED CONCRETE MANHOLE SECTIONS

SECTION A-A
 NOT TO SCALE

INFLOW MANHOLE
DRAINAGE STRUCTURES, NO. 1
 PRECAST REINFORCED CONCRETE MANHOLE SECTIONS
 SEE PUMP STATION -ASH STREET- DETAILS SHEET-5
 FOR PLAN VIEW OF INFLOW MANHOLE.

SECTION A-A
 NOT TO SCALE

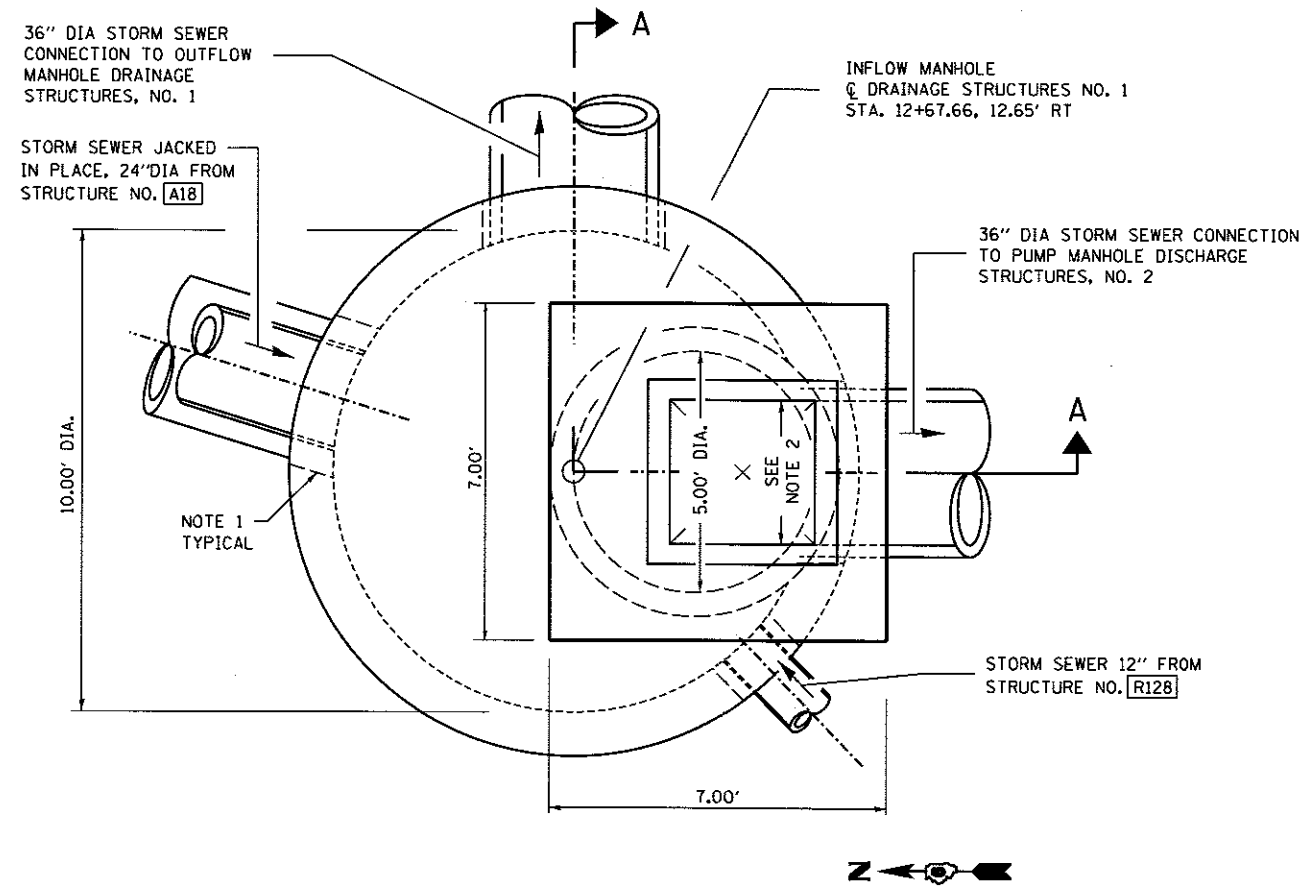
PUMP MANHOLE
DRAINAGE STRUCTURES, NO. 2
 PRECAST REINFORCED CONCRETE MANHOLE SECTIONS

NOTES:

1. GROUT TYPICAL, SEE DETAIL ON PUMP STATION MECHANICAL LAYOUT SHEET.
2. 36" X 36" ALUMINUM ACCESS FRAME AND HATCH.
3. CUSTOM HATCH SYSTEM, SEE PUMP STATION DETAILS SHEET.
4. PUMPS AND PIPING REMOVED FOR CLARITY.
5. LOCATION OF THE HATCH & HINGED SIDE OF THE HATCH TO BE COORDINATED WITH THE PUMP MANUFACTURER.

FINAL
 DESIGNED LJB 7/20/2015
 DRAWN CLG 7/20/2015
 REVIEWED MNN 10/17/2016

FILE NAME = D689L0179B-PS4_PRC_DET_ASH10-04.dgn	USER NAME = pop0275	DESIGNED - LJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PUMP STATION NO. 1 - ASH STREET - PRC DETAILS - 4	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 4.0000' / 1"	CHECKED - JWM/MNN	REVISED -	09L0179B			14-00477-00-BR	SANGAMON	403	196	
PLOT DATE = 2/24/2017	DATE -	REVISED -	CONTRACT NO. 93704			ILLINOIS FED. AID PROJECT				
Sheet	SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.									



ASH ST
INFLOW MANHOLE
DRAINAGE STRUCTURES, NO. 1
 PRECAST REINFORCED CONCRETE MANHOLE SECTIONS
 NOT TO SCALE
 SEE PUMP STATION -ASH STREET- PRC DETAILS SHEET 4 FOR SECTION A-A

NOTES:

1. GROUT TYPICAL, SEE DETAIL ON PUMP STATION -ASH STREET- MECHANICAL LAYOUT SHEET 3.
2. 36" X 36" ALUMINUM ACCESS FRAME AND HATCH.

DESIGNED - LJB 7/20/2015
 DRAWN - CLG 7/20/2015
 REVIEWED - MNM 10/11/2015

FILE NAME =	USER NAME = pop00275	DESIGNED - LJB	REVISED -
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Sheet	PLOT DATE = 2/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT SPRINGFIELD, SANGAMON COUNTY, ILLINOIS PUMP STATION NO. 1 - ASH STREET - DETAILS - 5	
SCALE:	SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	197
	C9L0179B			CONTRACT NO. 93704
ILLINOIS FED. AID PROJECT				



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GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE RAILROAD IF CONSTRUCTION ACTIVITIES ENCR OACH WITHIN 25 FT OF THE ADJACENT RAIL.
2. FINAL SITE GRADING SHALL OCCUR ONLY AFTER ALL IMPROVEMENTS HAVE BEEN COMPLETED.
3. THERE ARE TWO (2) DRAINAGE STRUCTURES NO. 1. EACH IS IDENTICAL WITH EXCEPTION OF THE INVERTS AND THE PIPES ENTERING AND EXITING THEM. THERE IS ONE (1) DRAINAGE STRUCTURE NO. 2. THESE DRAINAGE STRUCTURES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH.
4. THERE ARE OVERHEAD UTILITY LINES NEAR THE PUMP STATION AND ASSOCIATED STRUCTURES.
5. THE LAUREL STREET PUMP STATION IS REFERRED TO AS PUMP STATION NO. 2

EXCAVATION AND BACKFILL NOTES:

1. DRAINAGE STRUCTURES, NO. 1 AND NO. 2 SHALL BE EXCAVATED USING A VERTICAL SHAFT BORING MACHINE.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED EXCAVATION PLAN AND DETAILED GROUT INSTALLATION AND DRAINAGE STRUCTURE INSTALLATION PLAN SEALED BY A PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK. THE EXCAVATION PLAN SHALL INCLUDE DRAWINGS AND DESIGN CALCULATIONS FOR TEMPORARY OR PERMANENT CASING. THE CALCULATIONS SHALL BE PREPARED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER. THIS APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE SAFETY OF THE EXCAVATION.
3. ALL EXCAVATION, SHORING, TEMPORARY OR PERMANENT CASING, AGGREGATE OR CONCRETE BASE, CONCRETE PRECAST MANHOLE SECTIONS, FLAT SLAB TOP, ACCESS HATCHES, LOCKING MECHANISM, MASTIC, SEALANT, WATERPROOFING GROUT, AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2, RESPECTIVELY.
4. TEMPORARY OR PERMANENT CASING SHALL BE ACCORDING TO SECTION 516 OF THE STANDARD SPECIFICATIONS. GALVANIZED CMP MAY ALSO BE USED AS PERMANENT CASING. IF CMP IS USED AS A PERMANENT CASING, THE ANNULAR SPACE BETWEEN THE CMP AND THE EDGE OF THE BORING SHALL BE FILLED WITH NON-SHRINK GROUT FROM THE BASE TO ELEVATION 588.
5. THE STRUCTURES SHALL BE EXCAVATED AND INSTALLED ONE AT A TIME WITH EACH BEING GROUTED AND BACKFILLED COMPLETELY BEFORE COMMENCING CONSTRUCTION ON THE NEXT.
6. THE ANNULAR SPACE BETWEEN THE DRAINAGE STRUCTURE WALL AND THE EDGE OF THE BORING WITH A TEMPORARY CASING OR BETWEEN THE DRAINAGE STRUCTURE AND PERMANENT CASING SHALL BE FILLED WITH NON-SHRINK GROUT FROM THE BASE TO ELEVATION 588.
7. FROM ELEVATION 588 TO THE SURFACE, THE ANNULAR SPACE BETWEEN THE MANHOLE SECTION AND THE EDGE OF THE BORING WITH A TEMPORARY CASING OR BOTH SIDES OF THE PERMANENT CASING SHALL BE FILLED WITH NON-SHRINK GROUT OR CONTROLLED LOW STRENGTH MATERIAL, MIX 2.
8. THE DRAINAGE STRUCTURE SHALL BE CHECKED AFTER THE INSTALLATION OF EACH SECTION TO ENSURE A TRUE VERTICAL INSTALLATION. IF THE ALIGNMENT IS OFF, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION TO SHIM THE STRUCTURE BACK INTO LEVEL.
9. MATERIAL REMOVED FROM THE EXCAVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

DRAINAGE STRUCTURE PIPE CONNECTION NOTES:

1. THE TWO DRAINAGE STRUCTURES, NO. 1; AND DRAINAGE STRUCTURES NO. 1 AND DRAINAGE STRUCTURES NO. 2 SHALL BE CONNECTED BY 36" DIAMETER CLASS 52 DUCTILE IRON PIPE.
2. ALL MATERIAL AND LABOR ASSOCIATED WITH EXCAVATING FOR AND INSTALLING THE 36" DIAMETER PIPE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR STORM SEWER CONNECTION.
3. THE PIPE SHALL BE INSTALLED BY TUNNELED EXCAVATION AFTER THE TWO STRUCTURES HAVE BEEN INSTALLED AND BACKFILLED.
4. ONCE THE OPENING HAS BEEN EXCAVATED, AND THE PIPE INSTALLED, THE PIPE SHALL BE SEALED TO DRAINAGE STRUCTURES, NO. 1 AND NO. 2 WITH A NON-SHRINK GROUT AND 2" DIAMETER GROUT FILL AND VENT PORTS.
5. ONCE THE GROUT HAS DRIED, THE ANNULAR SPACE BETWEEN THE ROCK AND THE PIPE SHALL BE GROUTED UNTIL MATERIAL EXITS THE VENT. ONCE THE GROUT HAS CURED, THE GROUT PIPES SHALL BE CUT OFF FLUSH WITH THE INTERIOR OF DRAINAGE STRUCTURES, NO. 1 AND NO. 2.
6. STORM SEWERS JACKED IN PLACE, 24" SHALL MEET THE REQUIREMENTS OF SECTION 552 OF THE STANDARD SPECIFICATIONS AND AS SPECIFIED IN THE SPECIAL PROVISIONS.
7. THE STORM SEWER SHALL HAVE A 36-IN DIAMETER STEEL CASING JACKED AND BORED FROM STRUCTURE L39 TO DRAINAGE STRUCTURES NO. 1 WITH THE 24-IN DIAMETER STORM SEWER INSTALLED WITHIN IT. CASING SPACERS SHALL BE USED TO SUPPORT THE CARRIER PIPE WITHIN THE CASING. A CASING END SEAL SHALL BE USED TO SEAL THE CASING TO THE CARRIER PIPE. AT DRAINAGE STRUCTURES, NO. 1, GROUT BETWEEN THE CASING AND THE CARRIER PIPE.
8. THE 24" DIAMETER STORM SEWER SHALL BE SOLID WALL PS46 PIPE.
9. THE 36" DIAMETER STEEL CASING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STORM SEWERS JACKED IN PLACE, 24".

PUMPING STATION NOTES:

1. THE VALVE VAULT, PUMPS, PUMP BASES, RAILS AND LIFTING CHAINS SHALL ALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PUMPING STATION.
2. ALL PIPING, FITTINGS, VALVES AND PIPE SUPPORT BRACKETS FROM THE PUMP BASE, THROUGH THE VALVE VAULT TO TWO FEET OUTSIDE THE VALVE VAULT SHALL BE PAID FOR UNDER PUMP STATION MECHANICAL WORK.
3. ALL VALVES AND FITTINGS IN THE VALVE VAULT SHALL BE SUPPORTED ON STEEL PIPE SUPPORTS.
4. THE 2" SCHEDULE 40 DRAIN AND CHECK VALVE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PUMP STATION MECHANICAL WORK.

DRAINAGE STRUCTURES AND VALVE VAULT NOTES:

1. THE ACCESS HATCHES CAST INTO THE LIDS OF DRAINAGE STRUCTURES, NO. 1 AND NO. 2 SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2 RESPECTIVELY.
2. THE VALVE VAULT AND ASSOCIATED EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PUMPING STATION.
3. THE VALVE VAULT SHALL CONFORM TO ASTM C-913. THE STRUCTURE SHALL BE DESIGNED FOR EARTH LOADS AND HS-20 LIVE LOAD FOR VEHICULAR TRAFFIC.
4. THE PRECAST LID FOR DRAINAGE STRUCTURES, NO. 1 SHALL BE SEALED TO THE TOP RING SECTION WITH A DOUBLE ROW OF BUTYL MASTIC. THE LID SHALL HAVE A CAST IN PLACE ALUMINUM ACCESS FRAME AND HATCH. THE HATCH SHALL BE HINGED WITH A FLUSH LOCKING MECHANISM 36" X 36" MINIMUM CLEAR OPENING. THE TOP OF THE HATCH SHALL BE A MINIMUM 1/4" ALUMINUM DIAMOND TREAD PLATE.
5. THE PRECAST CONCRETE LID FOR DRAINAGE STRUCTURES, NO. 2 SHALL BE SEALED TO THE TOP BARREL SECTION WITH TWO ROWS OF BUTYL MASTIC. THE LID SHALL HAVE A FABRICATED GALVANIZED STEEL FRAME AND HATCH SYSTEM PER THE PLANS. ORIENTATION OF THE HATCH SYSTEM SHALL BE COORDINATED WITH THE PUMP MANUFACTURER.
6. AFTER INSTALLATION IS COMPLETE, IF THERE ARE WATER LEAKS AT JOINTS, THE CONTRACTOR SHALL WATERPROOF THE LEAKS USING DRILLED PORTS AROUND THE LEAK AND A HYDROPHILIC GROUT. IF REQUIRED, IT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRAINAGE STRUCTURES, NO. 1 AND NO. 2, RESPECTIVELY.
7. ALL PENETRATIONS THROUGH THE WALLS OF THE DRAINAGE STRUCTURES SHALL BE SEALED WITH NON-SHRINK GROUT.
8. DRAINAGE STRUCTURES SHALL BE CHECKED DURING INSTALLATION AND GROUTING TO ENSURE A TRUE VERTICAL INSTALLATION. IF THE ALIGNMENT IS OFF, THE CONTRACTOR SHALL TAKE CORRECTIVE MEASURES TO SHIM THE STRUCTURE BACK TO LEVEL.
9. THE EXTERIOR AND BOTTOM OF THE VALVE VAULT SHALL RECEIVE TWO COATS OF ASPHALT EMULSION WATERPROOFING IN ACCORDANCE WITH SECTION 503.18 OF THE STANDARD SPECIFICATIONS.

DRAINAGE STRUCTURES PRECAST CONCRETE MANHOLE:

1. DRAINAGE STRUCTURES SHALL BE PRECAST REINFORCED CONCRETE MANHOLES CONFORMING TO SECTION 1042 OF THE STANDARD SPECIFICATIONS. STRUCTURES SHALL BE WATER TIGHT. THE PRECAST CONCRETE MANHOLE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. THE EXTERIOR AND BOTTOM OF THE BASE OF THE STRUCTURES SHALL RECEIVE TWO COATS OF ASPHALT EMULSION WATERPROOFING IN ACCORDANCE WITH SECTION 503.18 OF THE STANDARD SPECIFICATIONS.
3. THE DRAINAGE STRUCTURE SECTIONS SHALL BE A MINIMUM OF 4-FT TALL WITH THE EXCEPTION OF THE FINAL SECTION. EACH SECTION SHALL BE SEALED WITH TWO (2) STRIPS OF BUTYL RUBBER SEALANT. JOINTS IN THE BUTYL RUBBER SEALANT SHALL BE OVERLAPPED TO PREVENT GAPS.
4. THE ANNULAR SPACE BETWEEN THE STRUCTURES AND THE DRILLED SHAFT SHALL BE FILLED WITH NON-SHRINK GROUT. THE GROUT SHALL BE INSTALLED AFTER EACH BARREL SECTION IS INSTALLED FROM ELEVATION 558.9 TO 588. FROM ELEVATION 588 TO THE SURFACE, THE ANNULAR SPACE BETWEEN THE MANHOLE AND DRILLED SHAFT SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL OR NON-SHRINK GROUT.
5. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR INSTALLING THE GROUT AND DRAINAGE STRUCTURES TO THE ENGINEER FOR APPROVAL BEFORE COMMENCING THE WORK. THE PLAN SHALL ADDRESS THE INSTALLATION METHOD AND BOUYANCY ISSUES DURING INSTALLATION. THIS APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR GROUTING AND INSTALLING THE DRAINAGE STRUCTURE.
6. IF GROUNDWATER IS PRESENT BETWEEN THE STRUCTURE AND THE DRILLED SHAFT, THE CONTRACTOR SHALL USE A GROUT FORMULATED FOR CURING UNDER WATER AND SHALL INSTALL THE GROUT FROM THE BOTTOM-UP USING A TREMIE OR PUMP.
7. THE NON-SHRINK GROUT SHALL CONFORM TO ASTM C-1107 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AFTER 28 DAYS. THE ADDITION OF AGGREGATE TO THE PREPACKAGED PRODUCT WILL BE PERMITTED AND SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. IN LIEU OF NON-SHRINK GROUT AROUND THE DRAINAGE STRUCTURE, THE CONTRACTOR MAY USE CLASS DS CONCRETE WITH 8-10 INCH SLUMP AT POINT OF PLACEMENT.

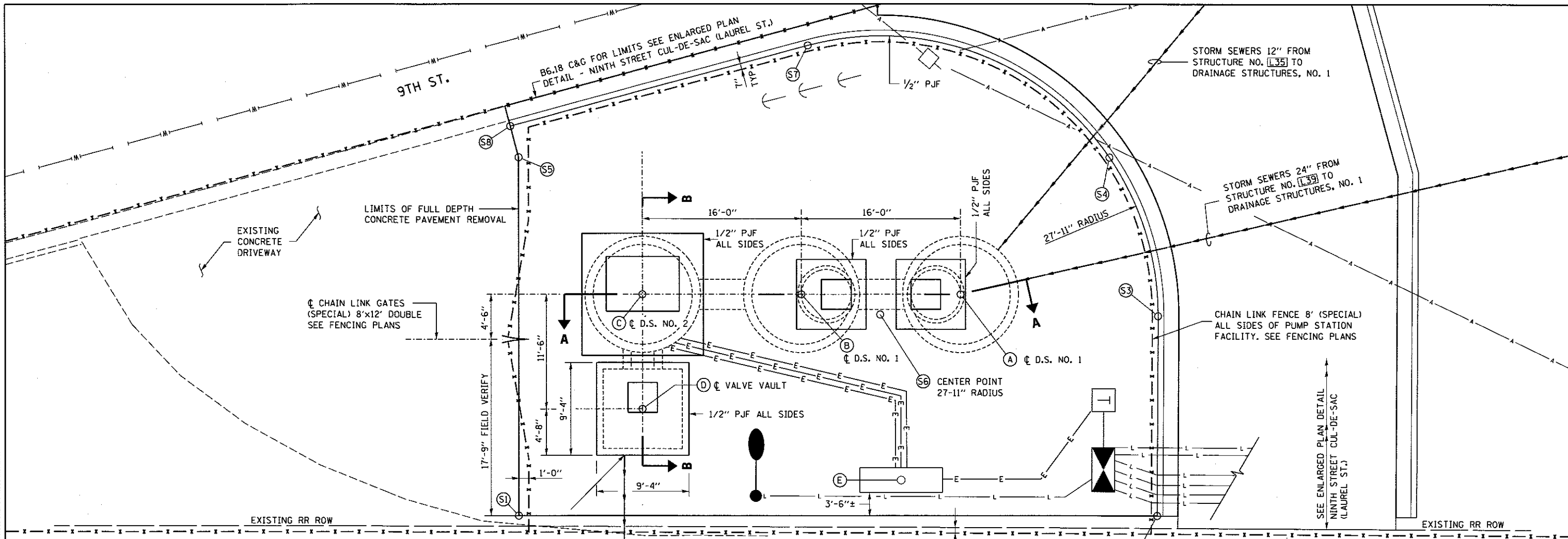
FINAL
DESIGNED LJB 11/20/2013
DRAWN CLG 1/20/2015
REVIEWED MNM 10/17/2015

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0609L0179B-PSL.GN.LAU-01.dgn		DRAWN - CLG	REVISED -
		CHECKED - JWM/MNM	REVISED -
Sheet		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT	
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS	
PUMP STATION NO. 2 - LAUREL STREET - GENERAL NOTES -1	
SCALE:	SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	198
	09L0179B	CONTRACT NO.	93704	
ILLINOIS FED. AID PROJECT				

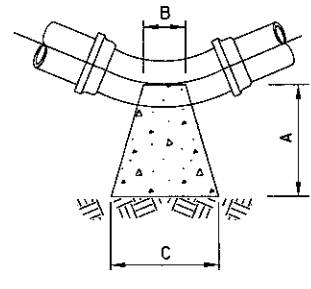


STATION 47817+99.48 UPRR MAIN 1
OFFSET 50.3' RIGHT

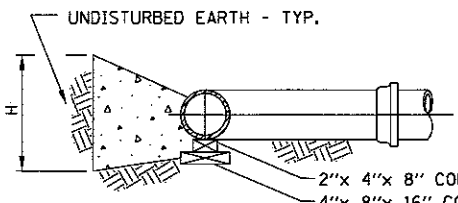
TO DRAINAGE STRUCTURE NO. [R214]
12" FORCE MAIN - PAY ITEM
WATER MAIN 12". BEGINS 2'
OUTSIDE OF VALVE VAULT

NOTES:

- (A) DRAINAGE STRUCTURE (D.S.) NO. 1 STA. 999+09.18, 123.98' RT. PROPOSED LID ELEV. 605.44
N = 1135100.15 E = 2443505.48
- (B) DRAINAGE STRUCTURE (D.S.) NO. 1 STA. 999+04.24, 139.20' RT. PROPOSED LID ELEV. 605.39
N = 1135084.76 E = 2443501.10
- (C) DRAINAGE STRUCTURE (D.S.) NO. 2 STA. 998+99.29, 154.42' RT. PROPOSED LID ELEV. 605.37
N = 1135069.38 E = 2443496.72
- (D) VALVE VAULT STA. 999+10.23, 157.97' RT. PROPOSED LID ELEV. 605.37
N = 1135066.23 E = 2443507.78
- (E) CENTER POINT - ELECTRICAL PANEL STA. 999+25.09, 135.45' RT. N = 1135089.28 E = 2443521.80
- (F) SEE PUMP STATION PRC DETAILS SHT. FOR SECTION A-A. SEE PUMP STATION MECHANICAL LAYOUT SHT. FOR SECTION B-B.
- (G) CONTRACTOR SHALL VERIFY THE DEPTH OF THE DISCHARGE PIPE.
- (H) PROVIDE THRUST BLOCKING AT ALL BENDS IN FORCE MAIN. THE COST OF PROVIDING THRUST BLOCKS INCLUDED WITH THE FORCE MAIN PAY ITEM WATER MAIN 12".
- (I) TRENCH BACKFILL SHALL BE USED FOR THE 12" FORCE MAIN WHERE THERE IS PCC DRIVEWAY PAVEMENT.
- (J) EXISTING UTILITY CONFLICTS - SEE GENERAL NOTES & REMOVAL PLANS FOR INFORMATION REGARDING ADJUSTMENTS AND REMOVAL LIMITS.
- (K) PUMP STATION LOCATION IS WHERE A GAS STATION WAS PREVIOUSLY LOCATED. UNDERGROUND FUEL STORAGE TANKS WERE REMOVED AND SAND BACKFILL MAY BE PRESENT. NO ADDITIONAL COMPENSATION WILL BE PERMITTED IF SAND BACKFILL IS ENCOUNTERED DURING INSTALLATION OF THE DRAINAGE STRUCTURES.



BENDS
PLAN - NOT TO SCALE
HORIZONTAL THRUST BLOCKING



TYPICAL SECTION
NOT TO SCALE

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

POINT	NORTHING	EASTING	ELEVATION
(S1)	1135051.26	2443514.70	605.51 *
(S2)	1135113.03	2443532.28	606.00
(S3)	1135118.63	2443513.01	605.86
(S4)	1135118.29	2443496.35	605.74
(S5)	1135061.12	2443480.07	605.26 *
(S6)	1135091.82	2443505.21	NA
(S7)	1135092.21	2443477.29	605.61
(S8)	1135061.16	2443476.86	605.64 *

* MATCH EXISTING

THRUST BLOCK DIMENSIONS (INCHES)

PIPE DIAMETER INCHES	ALL FTGS.		90 DEGREE BEND		45 DEGREE BEND		22-1/2 DEGREE BEND		11-1/4 DEGREE BEND	
	A	B	C	H	C	H	C	H	C	H
12	24	12	42	27	30	20	24	15	18	12

DIMENSIONS (INCHES) BASED ON 60 PSI WORKING PRESSURE AND 1500 PSF ALLOWABLE SOIL BEARING PRESSURE. DIMENSIONS MAY BE REDUCED IF CONTRACTOR FURNISHES SOIL TESTING RESULTS DEMONSTRATING HIGHER ALLOWABLE SOIL BEARING PRESSURE.



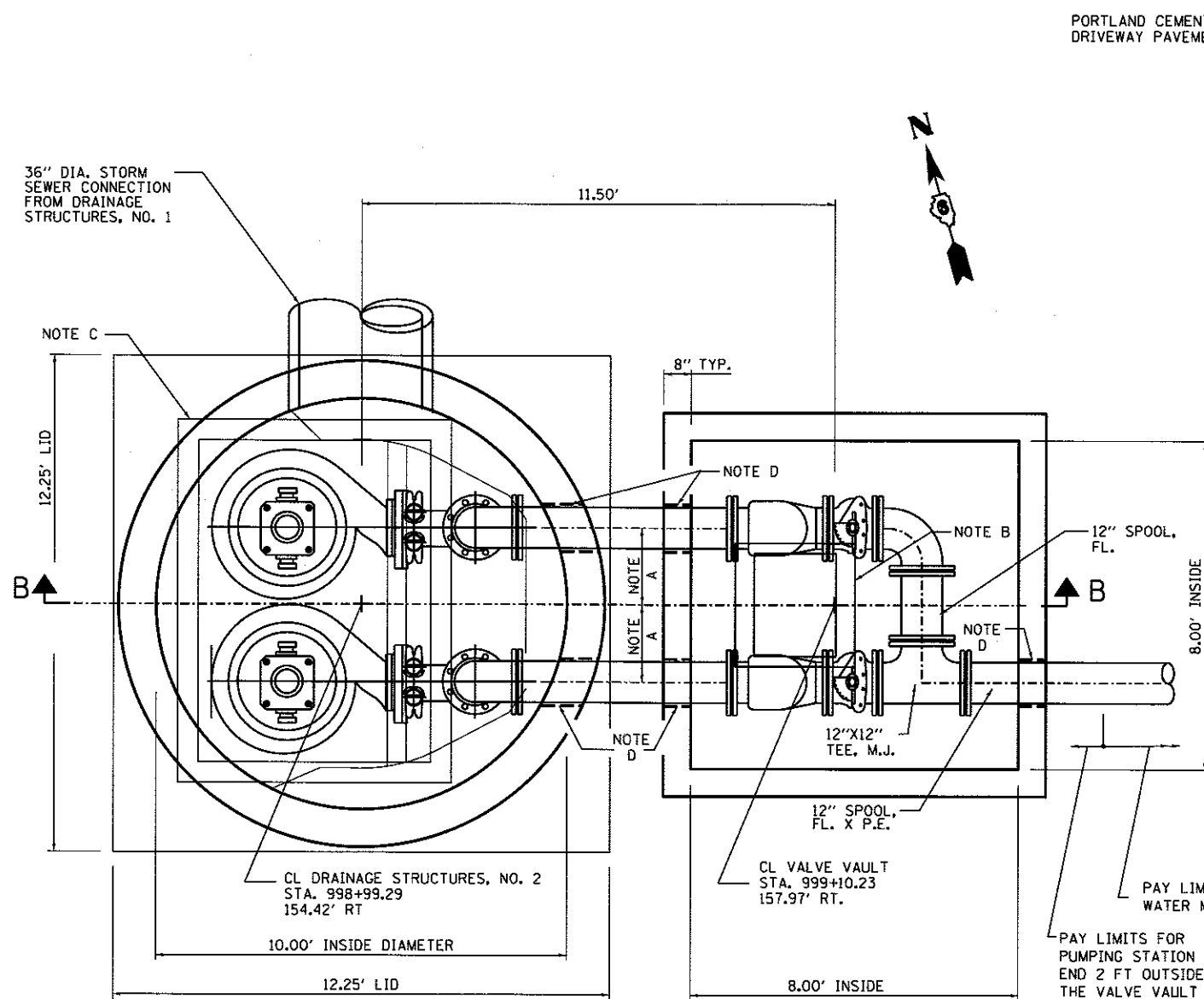
FINAL
DESIGNED: LJB 7/20/2015
DRAWN: CLG 7/20/2015
REVIEWED: MM 8/7/2016

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PLOT SCALE = 10.0001' / 1"	CHECKED - JWM/MMM	DRAWN - CLG	REVISED -
PLOT DATE = 2/24/2017	DATE -	CHECKED - JWM/MMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PUMP STATION NO. 2 - LAUREL STREET - SITE PLAN - 2

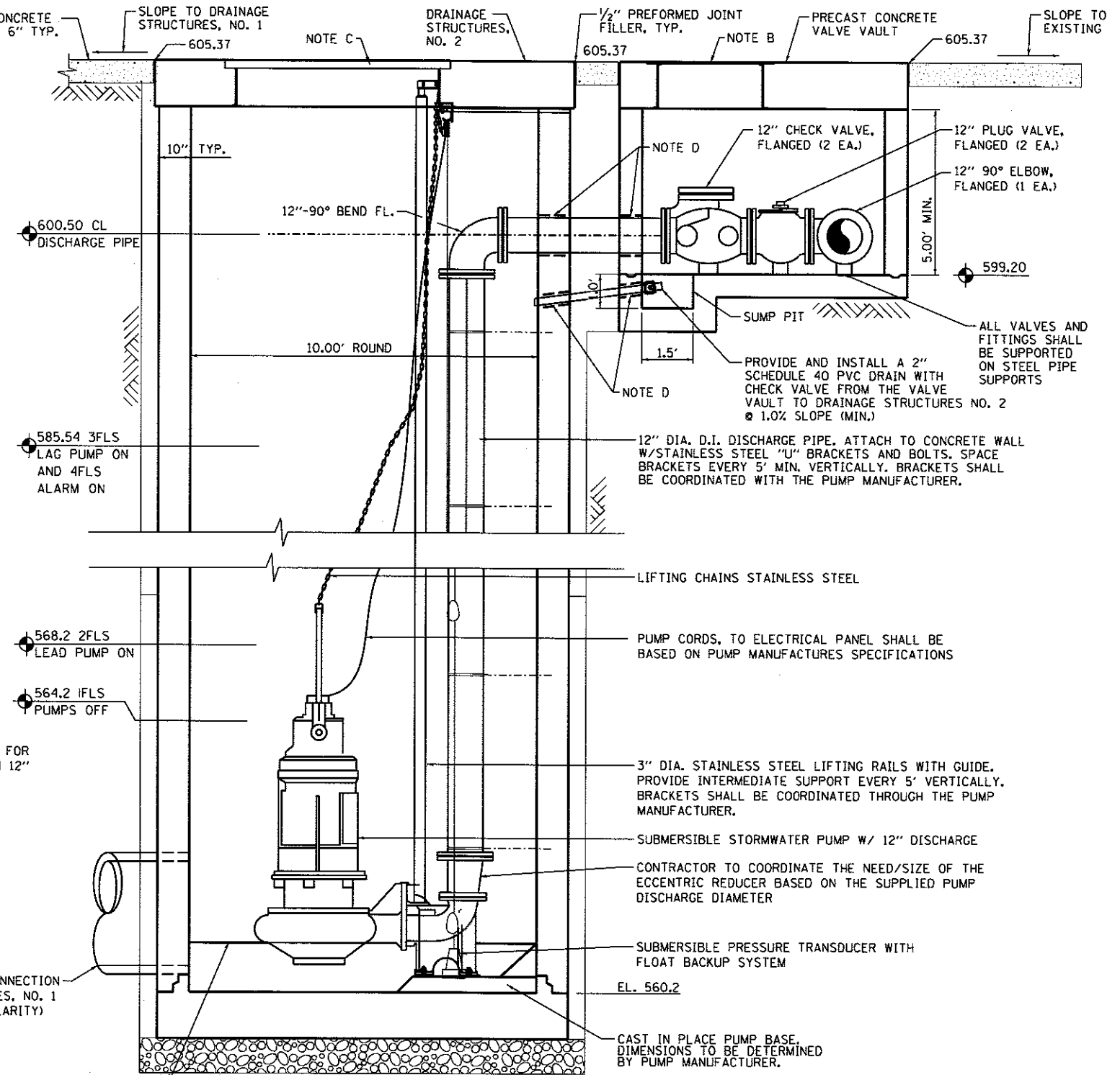
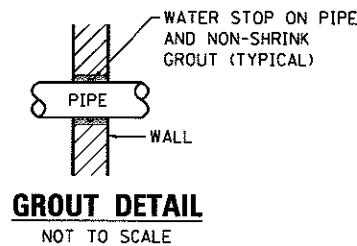
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	199
	09L0179B	CONTRACT NO.	93704	
[ILLINOIS] FED. AID PROJECT				



**MECHANICAL LAYOUT
DRAINAGE STRUCTURES, NO. 2 AND VALVE VAULT PLAN**
NOT TO SCALE

NOTES

- A. 1.875' - CONTRACTOR TO VERIFY DIMENSION WITH PUMP MANUFACTURE FOR MINIMUM PUMP SPACING
- B. 36" X 36" ALUMINUM ACCESS FRAME AND HATCH.
- C. CUSTOM HATCH SYSTEM. SEE MISCELLANEOUS PUMP STATION DETAILS SHEET.
- D. GROUT TYP. (SEE DETAIL THIS SHEET)



**MECHANICAL LAYOUT
SECTION B-B**
NOT TO SCALE

CONTRACTOR SHALL POUR A CONCRETE CHAMFER AS RECOMMENDED BY THE PUMP MANUFACTURER. THE CHAMFER AND PUMP BASE SHALL BE CAST AT THE SAME TIME.

FINAL
DESIGNED LJB 7/20/2016
DRAWN CLG 7/27/2016
REVIEWED MNM 10/17/2016

FILE NAME =	USER NAME = pop0275	DESIGNED - LJB	REVISED -
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	PLOT DATE = 2/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
PUMP STATION NO. 2 - LAUREL STREET - MECHANICAL LAYOUT - 3**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00477-00-BR	SANGAMON	403	200
	09L0179B			CONTRACT NO. 93704
[ILLINOIS] FED. AID PROJECT				

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.