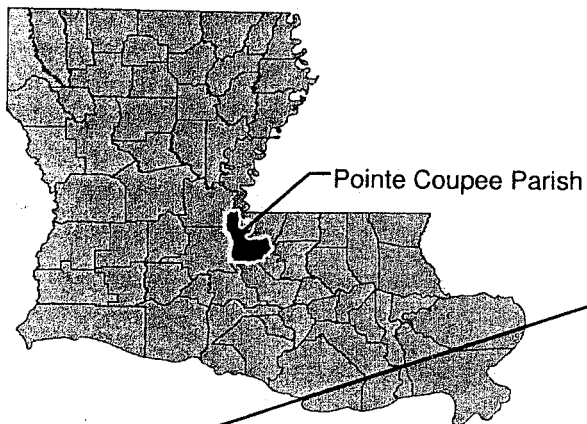
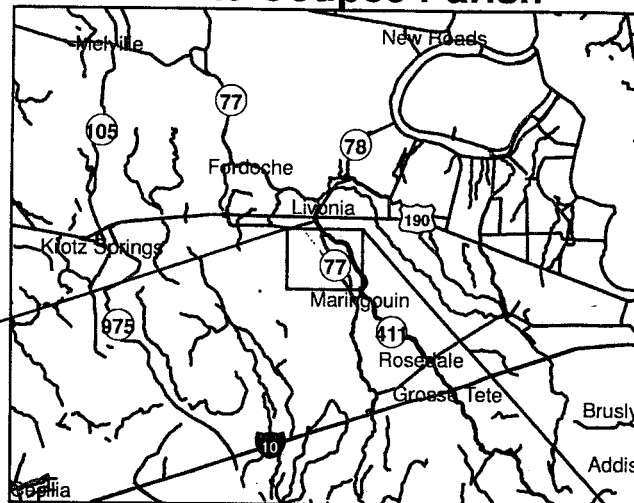


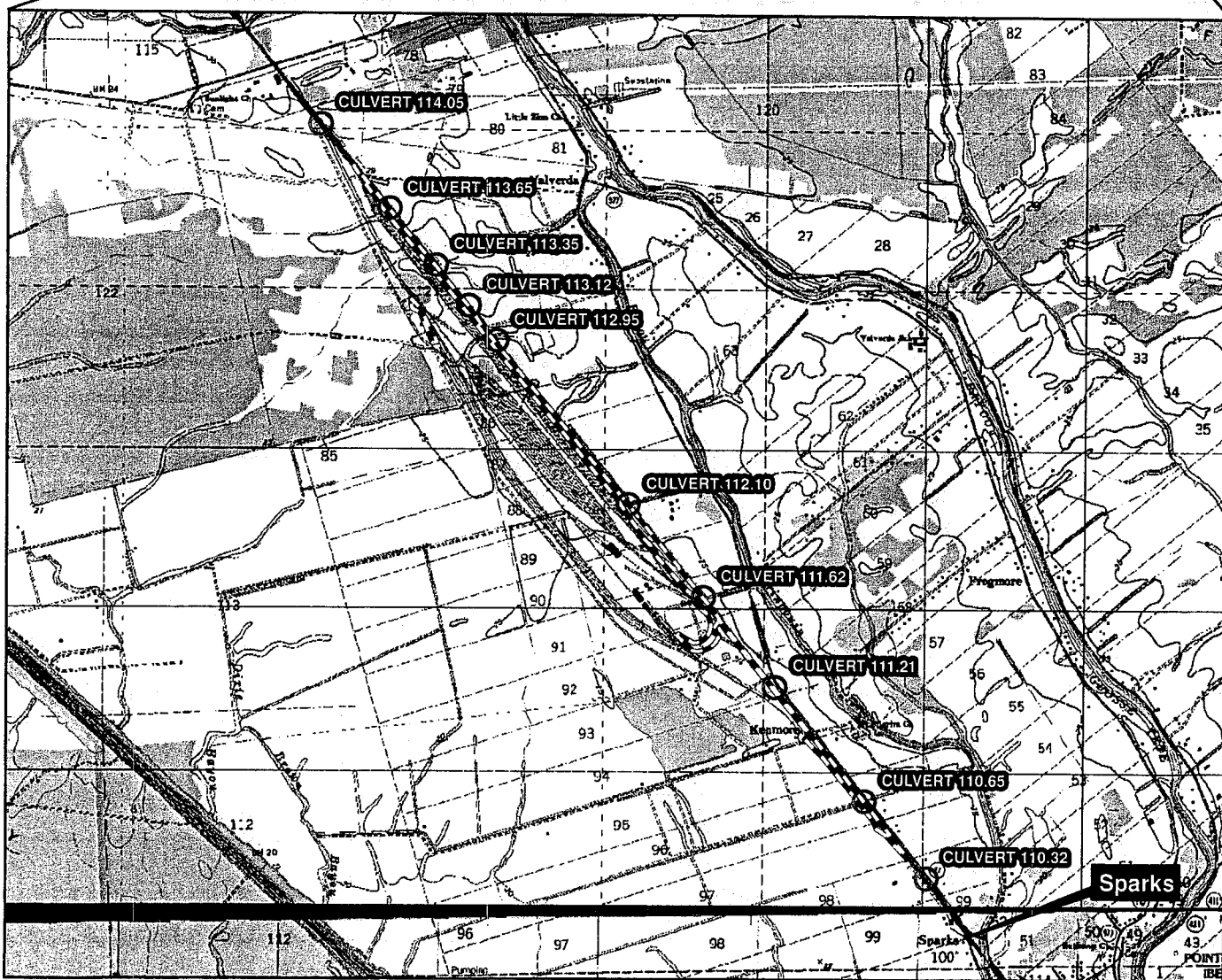
LOUISIANA



Pointe Coupee Parish



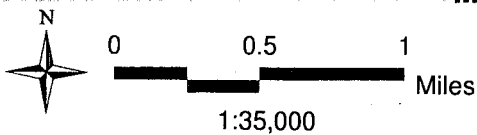
Approximate Scale 1" = 10 miles



Data Source: USGS Pointe Coupee Parish Digital Raster Graphic

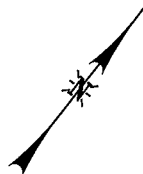
LIVONIA SIDING EXT.
MP 110.44 - 113.89 LIVONIA SUB.
 Union Pacific Railroad Co.
 Pointe Coupee Parish, LA

OLSSON
 ASSOCIATES



Site Location Map

Figure 1



6021+30

6020+51.39 CONC RD XING
DOT#

6020+00

6019+20
6019+07.58



6017+20.69 PT SW NO 14 RH POTO
MP 113.96

6015+00

6014+38.02 OHP XING
MP 113.91

6013+43.02 LH PO DPSS DERAIL
MP 113.89
6013+28.49 PT SW NO 14 RH HTTO
MP 113.89

6012+16.22 PT SW NO 15 RH POTO
MP 113.87

LIVONIA SUBDIVISION



SCALE IN FEET

LEGEND:

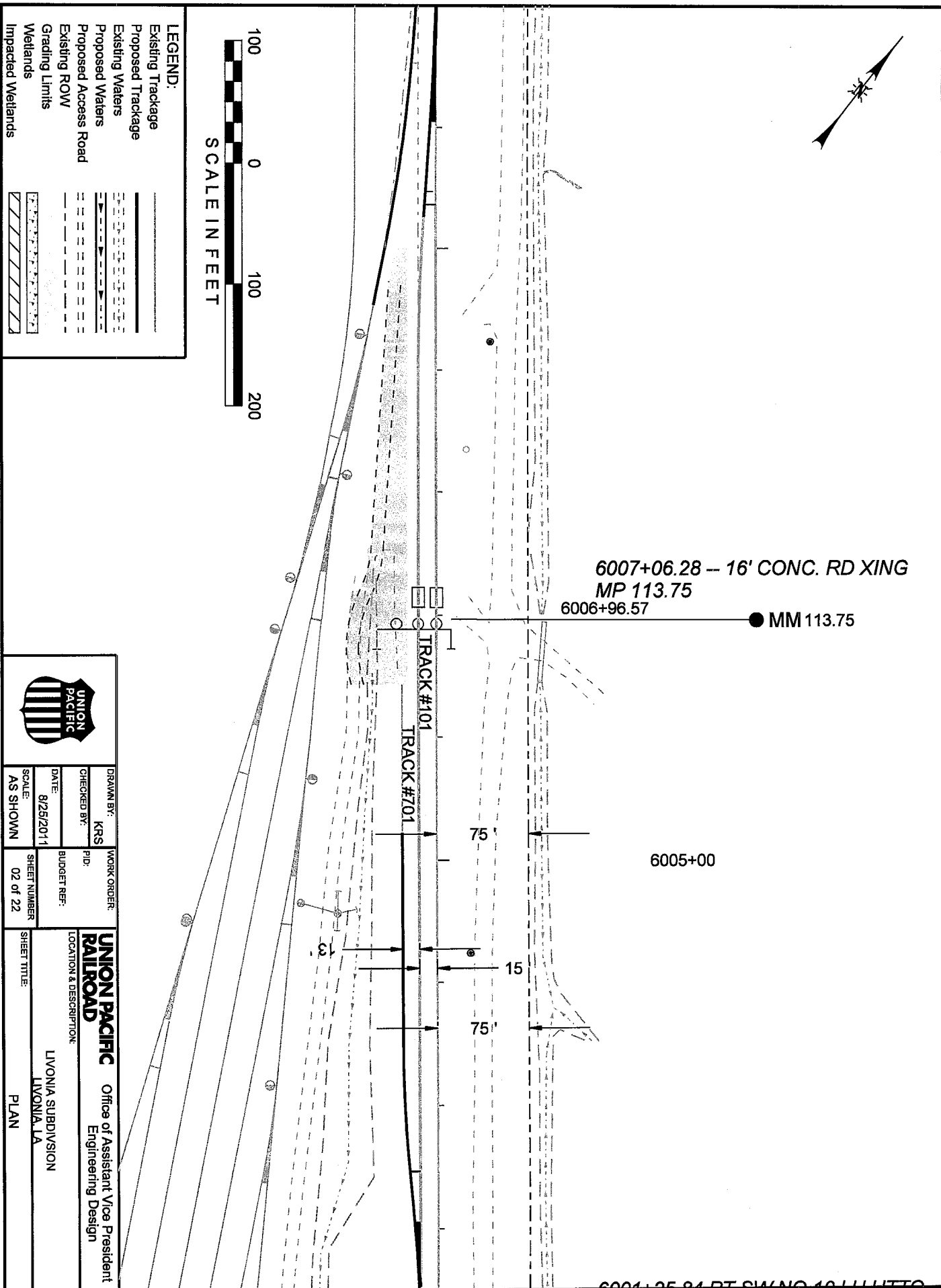
	Existing Trackage
	Proposed Trackage
	Existing Waters
	Proposed Waters
	Proposed Access Road
	Existing ROW
	Grading Limits
	Wetlands
	Impacted Wetlands

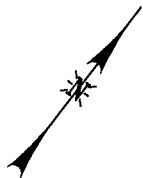
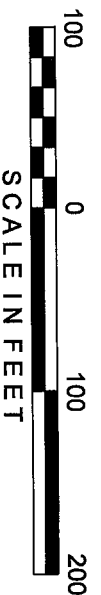


DRAWN BY: KRS	WORK ORDER:
CHECKED BY:	PID:
DATE: 8/25/2011	BUDGET REF:
SCALE: AS SHOWN	SHEET NUMBER 01 of 22

UNION PACIFIC RAILROAD
 Office of Assistant Vice President
 Engineering Design

LOCATION & DESCRIPTION:
 LIVONIA SUBDIVISION
 LIVONIA, IA
 PLAN





6001+25.84 PT SW NO 10 LH HTTO
 MP 113.66
 6001+21.68 PT SW NO 11 LH HTTO
 MP 113.66

6000+00

5998+92.02 -- 114' X 60" RCP
 CULVERT NO 113.65

5995+00

75'

50'

OTHER WATERS "N"
 IMPACTED - 31 LF

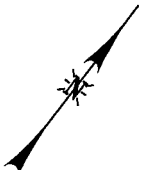
EXTEND, FURISH & INSTALL 60" X 31' CMP
 INSTALL 60" CONCRETE COLLAR

LEGEND:

	Existing Trackage
	Proposed Trackage
	Existing Waters
	Proposed Waters
	Proposed Access Road
	Existing ROW
	Grading Limits
	Wetlands
	Impacted Wetlands



DRAWN BY: KRS	WORK ORDER: UNION PACIFIC	Office of Assistant Vice President Engineering Design
CHECKED BY:	PID:	
DATE: 8/25/2011	BUDGET REF:	
SCALE: AS SHOWN	SHEET NUMBER 03 of 22	LOCATION & DESCRIPTION: RAILROAD LIVONIA SUBDIVISION LIVONIA, IA PLAN



5990+93.10 ● MM 113.5

5990+00

5985+00

5983+38.09 - 101' X 36" CMP
CULVERT NO 113.35


LIVONIA SUBDIVISION
TRACK #101

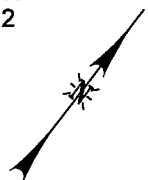
WETLAND G2
0.08 ACRES

OTHER WATERS "L"
IMPACTED - 30 LF

EXTEND, FURNISH, & INSTALL 36" X 29' CMP
INSTALL 36" CONCRETE COLLAR

LEGEND:	
Existing Trackage	—————
Proposed Trackage	- - - - -
Existing Waters	~~~~~
Proposed Waters	- . - . -
Proposed Access Road	—————
Existing ROW	—————
Grading Limits	—————
Wetlands	~~~~~
Impacted Wetlands	~~~~~

	
DRAWN BY: KRS	WORK ORDER: PID:
CHECKED BY:	BUDGET REF:
DATE: 8/25/2011	SHEET NUMBER 04 of 22
SCALE: AS SHOWN	SHEET TITLE: LIVONIA SUBDIVISION LIVONIA, IA PLAN
UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design	



5973+07.87 -- 91' X 48" CMP
 CULVERT NO 113.12

5975+00

5980+00

5979+48.68

● MM 113.25

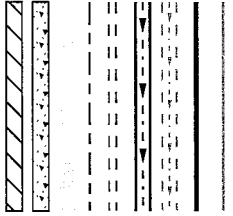
LIVONIA SUBDIVISION

WETLAND G-1
 0.18 ACRES

REMOVE
 HEADWALL
 OTHER WATERS "J"
 IMPACTED - 164 LF

EXTEND, FURNISH, & INSTALL 48" X 41' CMP
 INSTALL 48" CONCRETE COLLAR
 CONSTRUCT TYPE 'C' HEADWALL

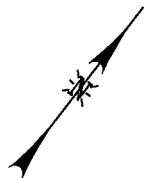
- LEGEND:**
- Existing Trackage
 - Proposed Trackage
 - Existing Waters
 - Proposed Waters
 - Proposed Access Road
 - Existing ROW
 - Grading Limits
 - Wetlands
 - Impacted Wetlands



DRAWN BY: KRS
 CHECKED BY: PJD
 DATE: 8/25/2011
 SCALE: AS SHOWN

WORK ORDER: PJD
 BUDGET REF:
 SHEET NUMBER: 05 of 22

UNION PACIFIC RAILROAD Office of Assistant Vice President
 Engineering Design
 LOCATION & DESCRIPTION:
 LIVONIA SUBDIVISION
 LIVONIA, IA
 PLAN



5970+00

5967+18.33 TIMBER RD XING
 DOT # 447038J - MP 113.01

5966+73.08

MM 113

5966+40

113

5965+00

50

5963+59.83 - 130' X 42" CMP
 CULVERT NO. 112.95

WETLAND F
 0.06 ACRES

LEGEND:

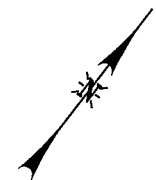
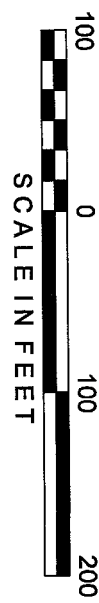
- Existing Trackage
- Proposed Trackage
- Existing Waters
- Proposed Waters
- Proposed Access Road
- Existing ROW
- Grading Limits
- Wetlands
- Impacted Wetlands



DRAWN BY: KRS	WORK ORDER:
CHECKED BY:	PID:
DATE: 8/25/2011	BUDGET REF:
SCALE: AS SHOWN	SHEET NUMBER 06 of 22

UNION PACIFIC RAILROAD
 Office of Assistant Vice President
 Engineering Design

LOCATION & DESCRIPTION:
 Llvonia Subdivision
 Llvonia, IA
 PLAN



5960+00

5955+00

5953+77.20

MM 112.75

50'

75'

LIVONIA SUBDIVISION

TRACK #101

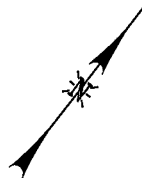
LEGEND:

- Existing Trackage
- Proposed Trackage
- Existing Waters
- Proposed Waters
- Proposed Access Road
- Existing ROW
- Grading Limits
- Wetlands
- Impacted Wetlands



DRAWN BY: KRS	WORK ORDER:
CHECKED BY:	PID:
DATE: 8/25/2011	BUDGET REF:
SCALE: AS SHOWN	SHEET NUMBER 07 of 22

UNION PACIFIC RAILROAD	
Office of Assistant Vice President Engineering Design	
LOCATION & DESCRIPTION:	
LIVONIA SUBDIVISION	LIVONIA, LA
SHEET TITLE: PLAN	



5950+00

5945+00

LIVONIA SUBDIVISION

15'

75'

LEGEND:

	Existing Trackage
	Proposed Trackage
	Existing Waters
	Proposed Waters
	Proposed Access Road
	Existing ROW
	Grading Limits
	Wetlands
	Impacted Wetlands

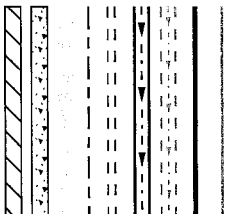
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		CHECKED BY:	PID:	
DATE: 8/25/2011		BUDGET REF:	LOCATION & DESCRIPTION:	
SCALE: AS SHOWN		SHEET NUMBER 08 of 22	LIVONIA SUBDIVISION LIVONIA, IA	
		SHEET TITLE: PLAN		



5935+00

NO. 14

Impacted Wetlands



SCALE:

06 of 22

SHEET TITLE:

PLAN

LEGEND:

Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	



5930+00

5926+17.53

● MM 112.25

5925+46.74 PT SW NO 15 LH POTO
 MP 112.22

5925+00

5924+52.54 OHP XING
 MP 112.21

5921+67.12 PT SW NO 15 LH POTO
 MP 112.15

LIVONIA SUBDIVISION

TRACK #101

NO 15

NO 15

OTHER WATERS "H"
 IMPACTED -1,849 LF

PLUG & FILL 30" X 57" RCP



SCALE IN FEET



DRAWN BY:	KRS	WORK ORDER:
CHECKED BY:	PJD	
DATE:	8/25/2011	BUDGET REF:
SCALE:	AS SHOWN	SHEET NUMBER
		10 of 22

**UNION PACIFIC
 RAILROAD**

Office of Assistant Vice President
 Engineering Design

LOCATION & DESCRIPTION:

LIVONIA SUBDIVISION

LIVONIA, IA

SHEET TITLE:

PLAN



LEGEND:

Existing Trackage	---
Proposed Trackage	---
Existing Waters	---
Proposed Waters	---
Proposed Access Road	---
Existing ROW	---
Grading Limits	---
Wetlands	---
Impacted Wetlands	---

5921+67.12 PT SW NO 15 LH POTO
 MP 112.15

5920+92.83 TIMBER RD XING
 DOT # 447040K - MP 112.14
 5920+71.49 - 42" X 33' RCP
 CULVERT NO 112.10

5920+00

5915+00

5914+07.66 MM 112

5913+60

112

75'

20'

TRACK #101

LIVONIA SUBDIVISION

LIVONIA SUBDIVISION

WETLAND D
 2.64 ACRES
 IMPACTED: 0.66 ACRES

EXTEND, FURNISH & INSTALL 42" X 58' CMP
 INSTALL 42" CONCRETE COLLAR
 CONSTRUCT TYPE 'C' HEADWALL

FURNISH & INSTALL 42" X 57' CMP



DRAWN BY: KRS	WORK ORDER: P.D.
CHECKED BY:	BUDGET REF:
DATE: 8/25/2011	SHEET NUMBER: 11 of 22
SCALE: AS SHOWN	

UNION PACIFIC RAILROAD
 Office of Assistant Vice President
 Engineering Design

LOCATION & DESCRIPTION:
 LIVONIA SUBDIVISION
 LIVONIA, LA
 PLAN

LEGEND:

- Existing Trackage
- Proposed Trackage
- Existing Waters
- Proposed Waters
- Proposed Access Road
- Existing ROW
- Grading Limits
- Wetlands
- Impacted Wetlands



5910+00

5905+00

5904+13.52 RH PO DPSS DERAIL
 MP 111.81

5902+65.59 ● MM 111.75

OTHER WATERS "F"
 REALIGNED CHANNEL - 561 LF

TRACK #108

OTHER WATERS "G"
 IMPACTED - 1,267 LF

UNION PACIFIC

RAILROAD

Office of Assistant Vice President
 Engineering Design

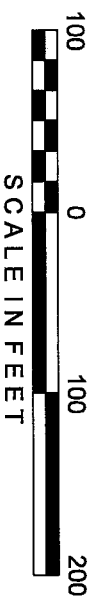
DRAWN BY: KRS	WORK ORDER:	LOCATION & DESCRIPTION:
CHECKED BY:	PID:	LIVONIA SUBDIVISION LIVONIA, IA
DATE: 8/25/2011	BUDGET REF:	
SCALE: AS SHOWN	SHEET NUMBER: 12 of 22	
		SHEET TITLE: PLAN

5900+92.32 PT SW NO 14 LH POTO
MP 111.76

5897+90.88 PT SW NO 15 LH POTO
MP 111.70

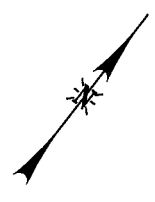
5895+88.56 - 42" X 42' RCP
CULVERT NO 111.62

5895+00



LEGEND:

Existing Trackage	—————
Proposed Trackage	- - - - -
Existing Waters	~~~~~
Proposed Waters	~~~~~
Proposed Access Road	=====
Existing ROW	=====
Grading Limits	=====
Wetlands	[Stippled Pattern]
Impacted Wetlands	[Hatched Pattern]



WETLAND C1
2.48 ACRES
IMPACTED: 0.48 ACRES

OTHER WATERS "E"
IMPACTED - 33' LF

WETLAND C2
0.42 ACRES
IMPACTED: 0.27 ACRES

EXTEND, FURNISH, & INSTALL 42"X33' CMP
INSTALL 42" CONCRETE COLLAR

TRACK #101
TRACK #108 NO. 15

TRACK #102

TRACK #103

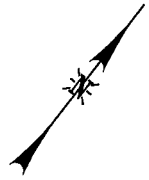


DRAWN BY: KRS
CHECKED BY: PJD
DATE: 8/25/2011
SCALE: AS SHOWN

WORK ORDER:
BUDGET REF:
SHEET NUMBER: 13 of 22
SHEET TITLE: PLAN

UNION PACIFIC RAILROAD
Office of Assistant Vice President
Engineering Design

LIVONIA SUBDIVISION
LIVONIA, IA



LEGEND:

Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	

5890+00

5888+01.68

● MM 111.5

5885+00

LIVONIA SUBDIVISION

TRACK #105

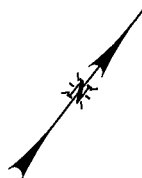
See Sheet 21 for Impacts

See Sheet 22 for Impacts

PUMP
OF PUMP



DRAWN BY: KRS		WORK ORDER:	
CHECKED BY: PJD		BUDGET REF:	
DATE: 8/25/2011		SHEET NUMBER: 14 of 22	
SCALE: AS SHOWN		SHEET TITLE: PLAN	
UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design LIVONIA SUBDIVISION LIVONIA, IA			



5875+71.39 OHP XING
MP 111.28

5874+84.89 ● MM 111.25

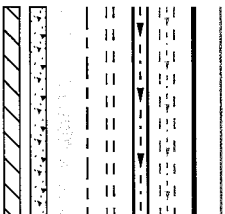
5872+82.74 -- 105' X 48" RCP
CULVERT NO 111.21

40



LEGEND:

- Existing Trackage
Proposed Trackage
Existing Waters
Proposed Waters
Proposed Access Road
Existing ROW
Grading Limits
Wetlands
Impacted Wetlands



DRAWN BY: KRS
CHECKED BY:

WORK ORDER:
PID:

DATE:

BUDGET REF:

SCALE:
AS SHOWN

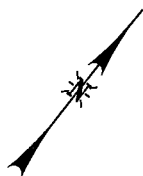
SHEET NUMBER
15 of 22

**UNION PACIFIC
RAILROAD**

**Office of Assistant Vice President
Engineering Design**

LIVONIA, LA

PLAN



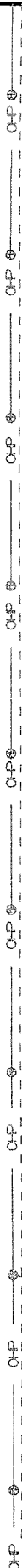
5870+00

5865+00

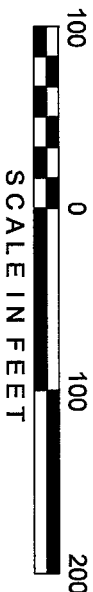
5863+40.48 OHP XING
MP 110.05

LEGEND:	
Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	

LIVONIA SUBDIVISION
TRACK #102
TRACK #103



D=2°



SCALE IN FEET



DRAWN BY:	KRS	WORK ORDER:
CHECKED BY:	PID:	
DATE:	8/25/2011	BUDGET REF:
SCALE:	AS SHOWN	SHEET NUMBER
		16 of 22

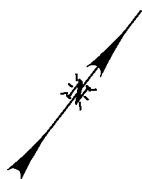
UNION PACIFIC RAILROAD Office of Assistant Vice President
Engineering Design

LOCATION & DESCRIPTION:

LIVONIA SUBDIVISION
LIVONIA, IA

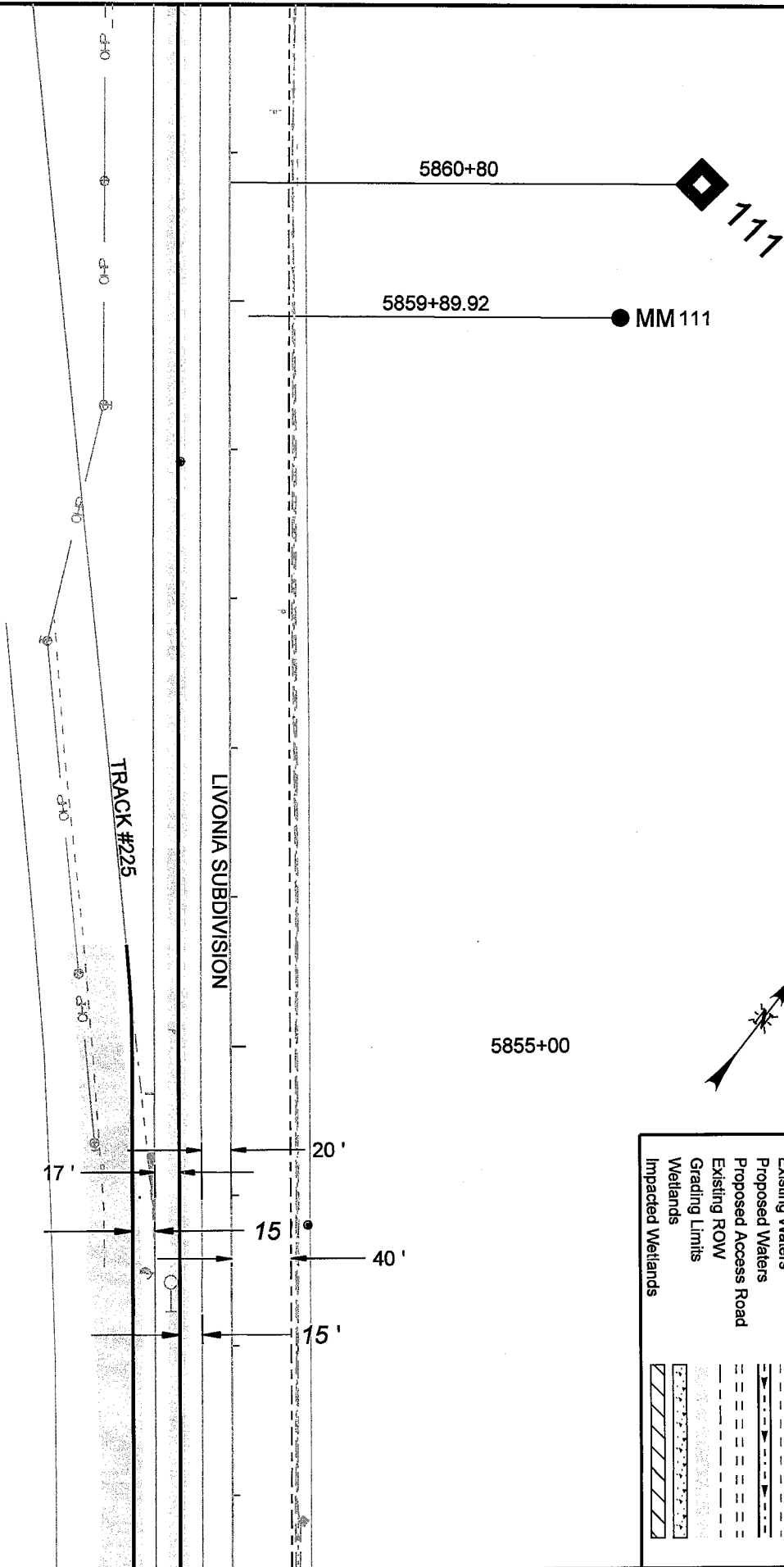
SHEET TITLE:

PLAN

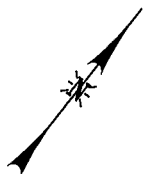
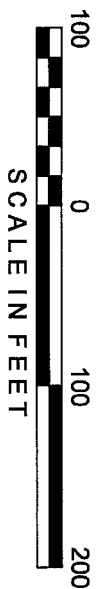


LEGEND:

Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	



		UNION PACIFIC RAILROAD		Office of Assistant Vice President Engineering Design	
DRAWN BY:	KRS	WORK ORDER:			
CHECKED BY:		PID:			
DATE:	8/25/2011	BUDGET REF:			
SCALE:	AS SHOWN	SHEET NUMBER:	17 of 22		
LOCATION & DESCRIPTION:			LIVONIA SUBDIVISION LIVONIA, IA		
SHEET TITLE:			PLAN		



5850+00

5849+17.32 MM 110.75

40'

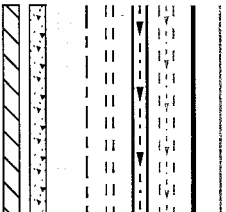
5845+00

5843+32.10 -- 107' X 48" RCP
CULVERT NO 110.65

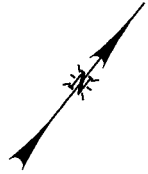


LEGEND:

- Existing Trackage
- Proposed Trackage
- Existing Waters
- Proposed Waters
- Proposed Access Road
- Existing ROW
- Grading Limits
- Wetlands
- Impacted Wetlands



DRAWN BY: KRS		WORK ORDER:	
CHECKED BY:	P.D.	BUDGET REF:	
DATE: 8/25/2011		SHEET NUMBER: 18 of 22	
SCALE: AS SHOWN		SHEET TITLE: PLAN	
UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design LIVONIA SUBDIVISION LIVONIA, LA			



5840+00

5836+91.34 PT SW NO 9 RH HTTO

MP 110.55

MM 110.5

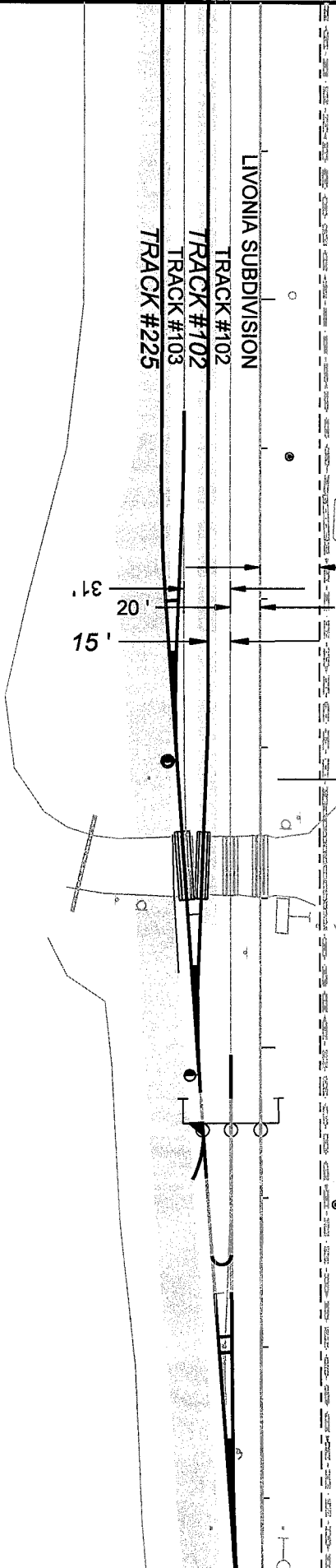
5836+00.85 CONC RD XING
 DOT # 921255P - MP 110.67

5834+82.02 PT SW NO 9 RH HTTO
 MP 110.51

5834+51.12 RH PO DPSS DERAIL
 MP 110.50

Delta 0°10'48"
 R7188.76'
 D 0°20'00"
 30 MPH

5832+28.86 PT SW NO 9 RH HTTO
 MP 110.46



LEGEND:

- Existing Trackage
- Proposed Trackage
- Existing Waters
- Proposed Waters
- Proposed Access Road
- Existing ROW
- Grading Limits
- Wetlands
- Impacted Wetlands



DRAWN BY: KRS	WORK ORDER:	UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design LIVONIA SUBDIVISION LIVONIA, IA PLAN
CHECKED BY:	PID:	
DATE: 8/25/2011	BUDGET REF:	
SCALE: AS SHOWN	SHEET NUMBER 19 of 22	
LOCATION & DESCRIPTION:		SHEET TITLE:

5831+27.38 PT SW NO 15 RH POTO
 MP 110.44

5830+00

5828+96.04 OHP XING
 MP 110.40
 5828+64.36 -- 42' X 40" RCP
 CULVERT NO 110.32
 5828+48.87 PT SW NO 14 LH POTO
 MP 110.39

5825+00

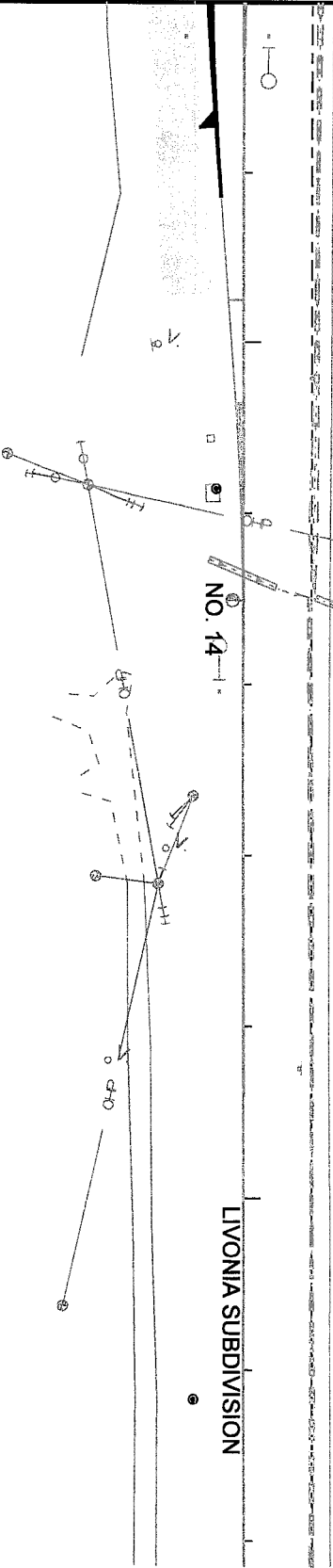
5822+83

LIVONIA SUBDIVISION



LEGEND:

Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	



DRAWN BY: KRS	WORK ORDER PID:
CHECKED BY:	BUDGET REF:
DATE: 8/25/2011	SHEET NUMBER 20 of 22
SCALE: AS SHOWN	SHEET TITLE: LIVONIA SUBDIVISION PLAN
UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design LOCATION & DESCRIPTION: LIVONIA SUBDIVISION LIVONIA, LA	

4+85.09 PT SW NO 9 LH HTTO
 MP 111.59

OTHER WATERS "C"
 IMPACTED - 192 LF

INSTALL 36" X 64' CMP

OTHER WATERS "D"
 IMPACTED - 69 LF

WETLAND K5
 0.02 ACRES

WETLAND K4 - 0.14 ACRES
 IMPACTED: 0.02 ACRES

WETLAND K6
 0.91 ACRES
 IMPACTED: 0.20 ACRES

WETLAND K3 - 0.25 ACRES
 IMPACTED: 0.13 ACRES

WETLAND K2
 0.16 ACRES

LEGEND:

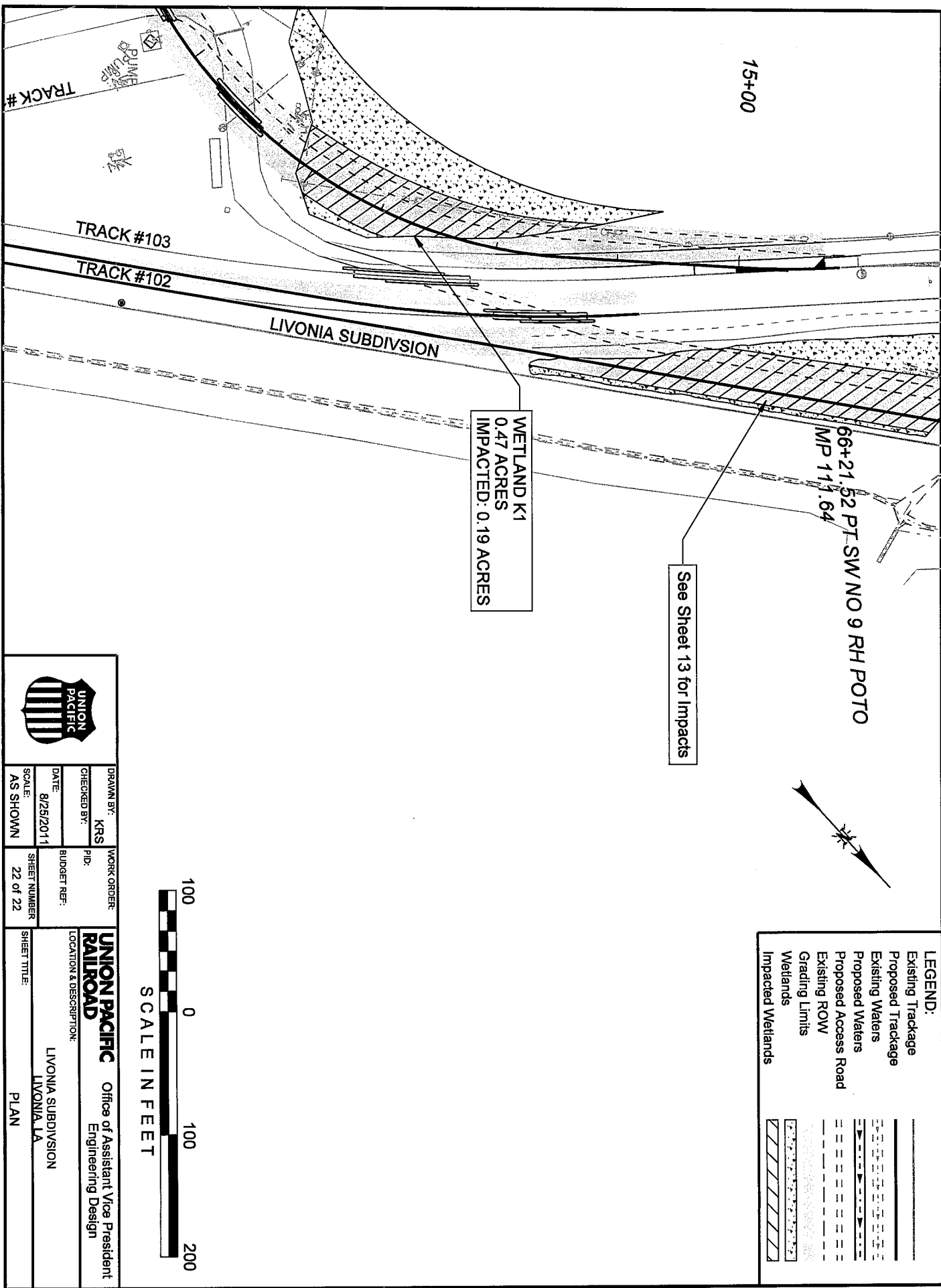
Existing Trackage	
Proposed Trackage	
Existing Waters	
Proposed Waters	
Proposed Access Road	
Existing ROW	
Grading Limits	
Wetlands	
Impacted Wetlands	




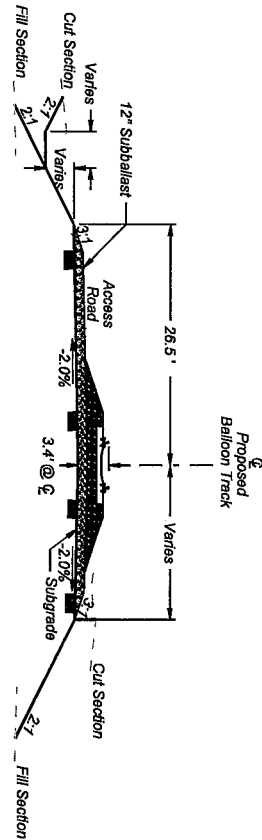
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CHECKED BY:		P.D.:
DATE:	8/25/2011	BUDGET REF.:
SCALE:	AS SHOWN	SHEET NUMBER:
		21 of 22

UNION PACIFIC RAILROAD
 Office of Assistant Vice President
 Engineering Design

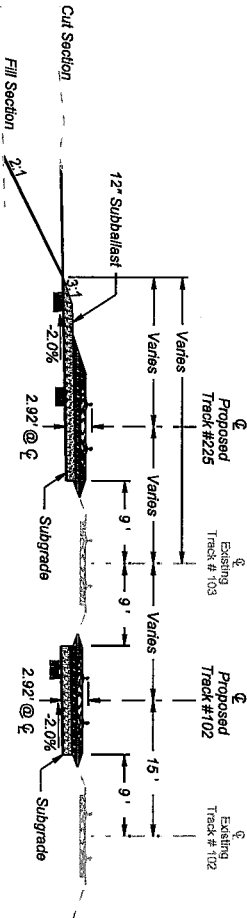
LIVONIA SUBDIVISION
 LIVONIA, LA
 PLAN



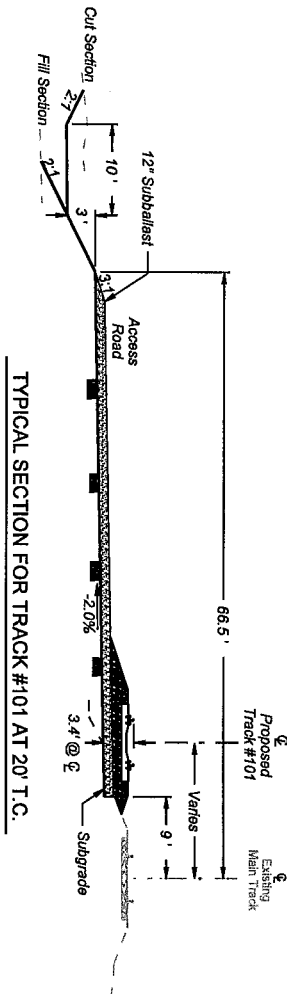
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DATE: 8/25/2011		BUDGET REF:		LOCATION & DESCRIPTION: LIVONIA SUBDIVISION LIVONIA, IA	
SCALE: AS SHOWN		SHEET NUMBER 22 of 22		SHEET TITLE: PLAN	




TYPICAL SECTION FOR BALLOON TRACK

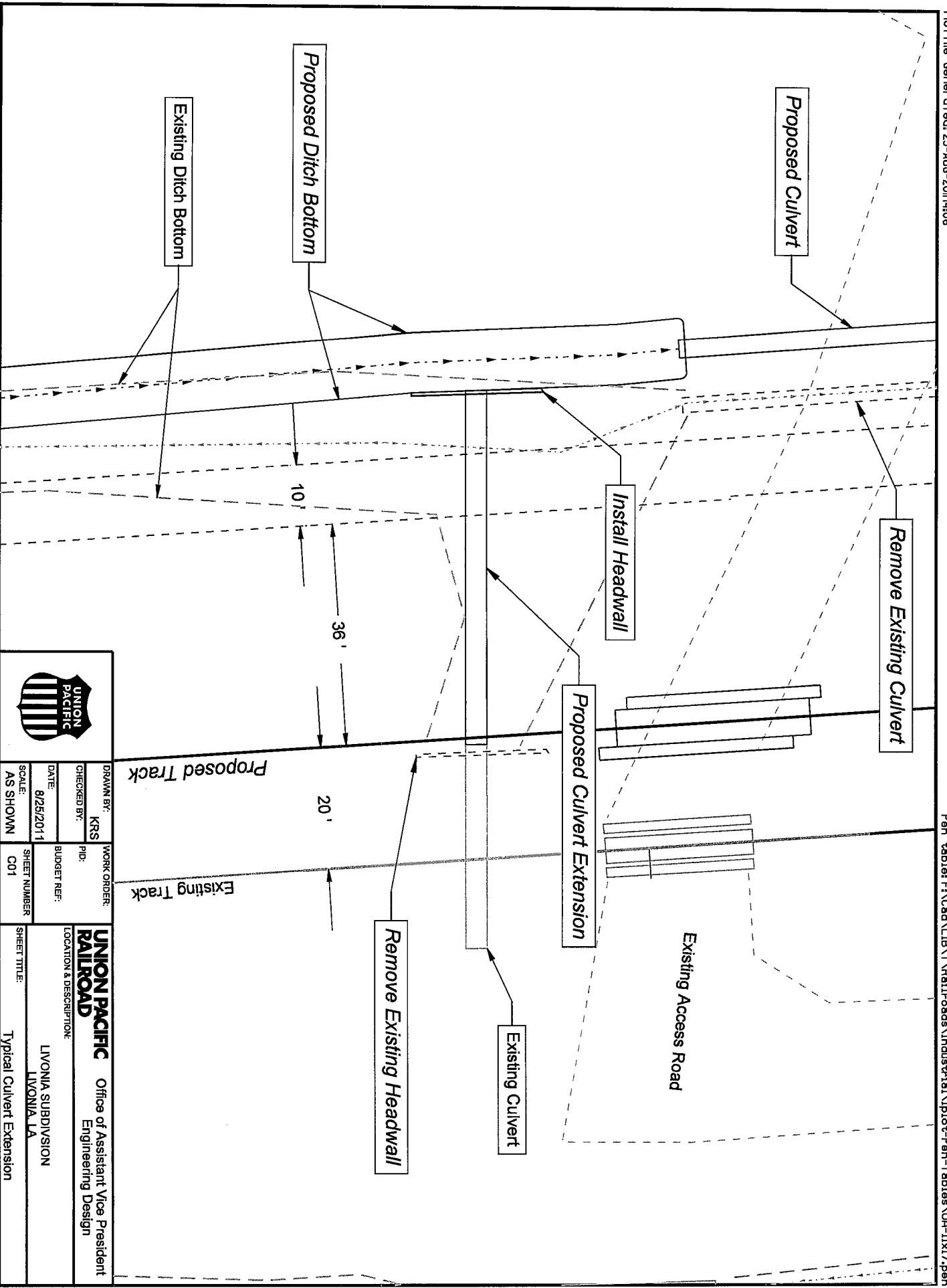



TYPICAL SECTION FOR TRACK #225 AND TRACK #102 REALIGNMENT
Sta. 5836+91 to Sta. 5853+48

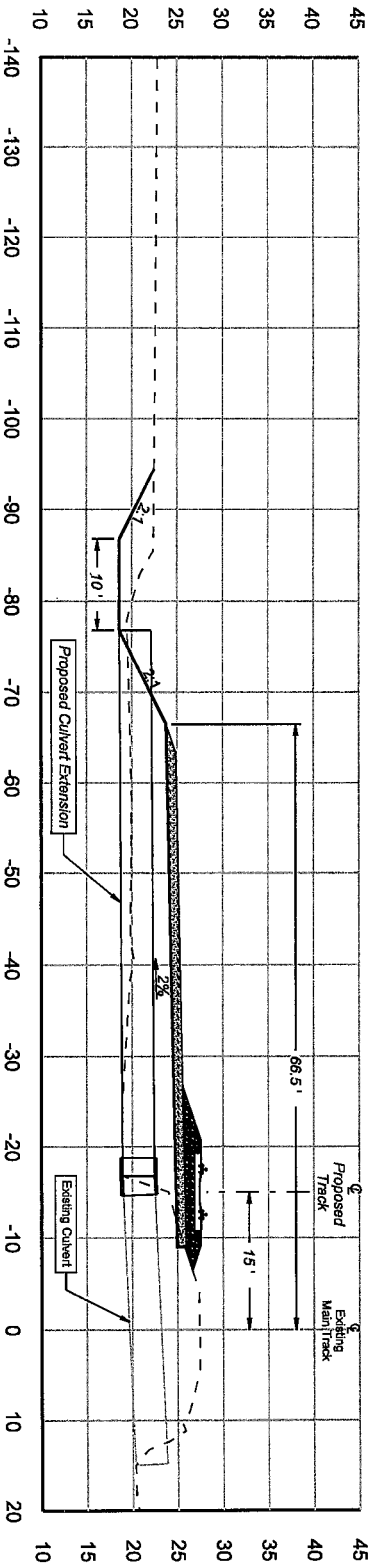



TYPICAL SECTION FOR TRACK #101 AT 20' T.C.

	DRAWN BY:	WORK ORDER:
	CHECKED BY:	PID:
	DATE:	BUDGET REF:
	SCALE:	SHEET NUMBER
UNION PACIFIC RAILROAD		Office of Assistant Vice President Engineering Design
LOCATION & DESCRIPTION:		LIVONIA SUBDIVISION LIVONIA, LA
SHEET TITLE:		Typicals



		DRAWN BY:	KRS	WORK ORDER:	UNION PACIFIC Railroad Office of Assistant Vice President Engineering Design	
		CHECKED BY:		PID:	LOCATION & DESCRIPTION:	
		DATE:	8/25/2011	BUDGET REF:	LIVONIA SUBDIVISION	
		SCALE:	AS SHOWN	SHEET NUMBER:	LIVONIA, LA	
					SHEET TITLE: Typical Culvert Extension	



		DRAWN BY: KRS		WORK ORDER:	
		CHECKED BY:		PID:	
DATE: 8/25/2011		BUDGET REF:		LOCATION & DESCRIPTION:	
SCALE:		SHEET NUMBER: X001		SHEET TITLE: Typical Culvert Extension Cross Section	
UNION PACIFIC RAILROAD Office of Assistant Vice President Engineering Design LIVONIA SUBDIVISION LIVONIA, IA					