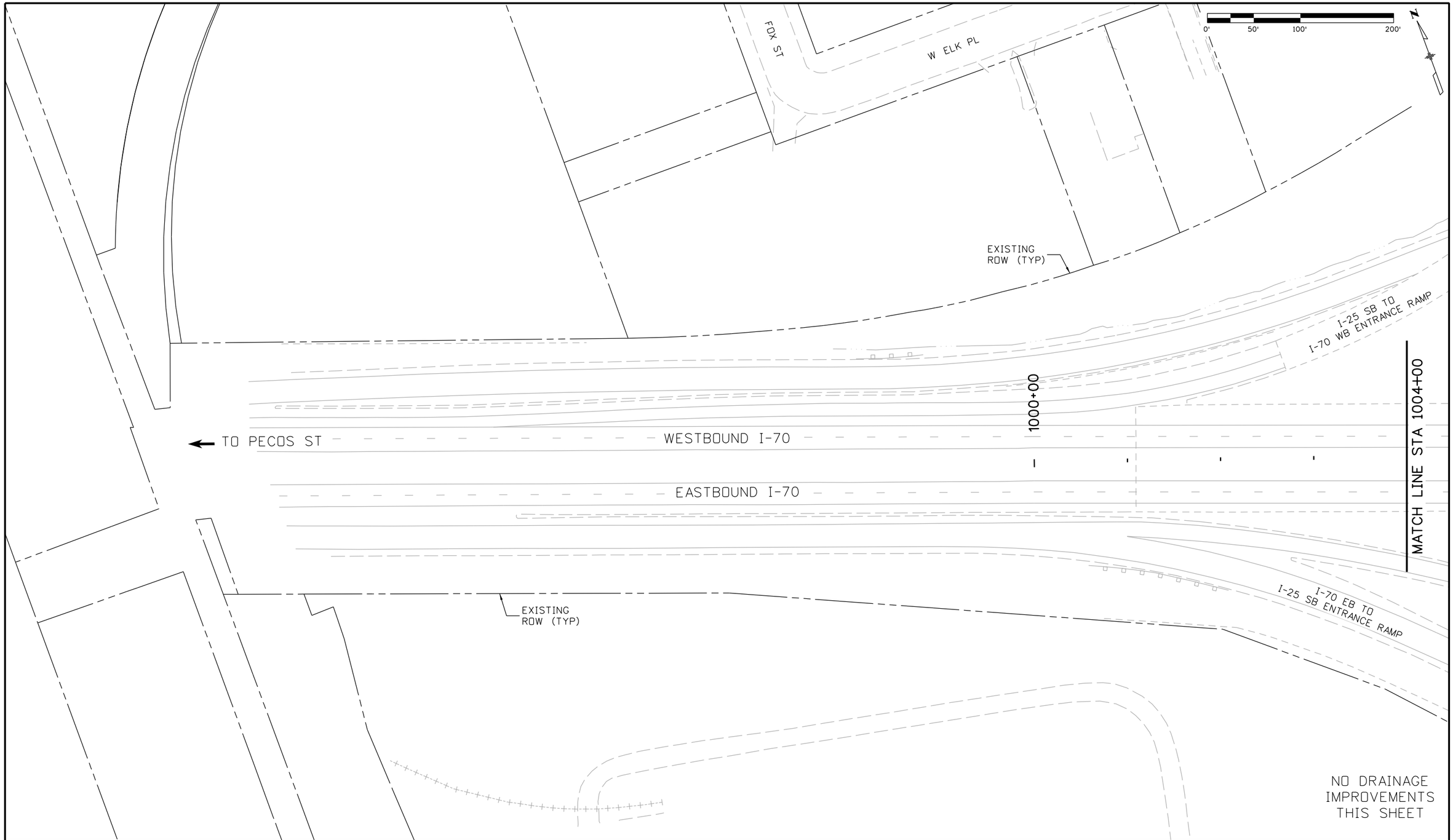

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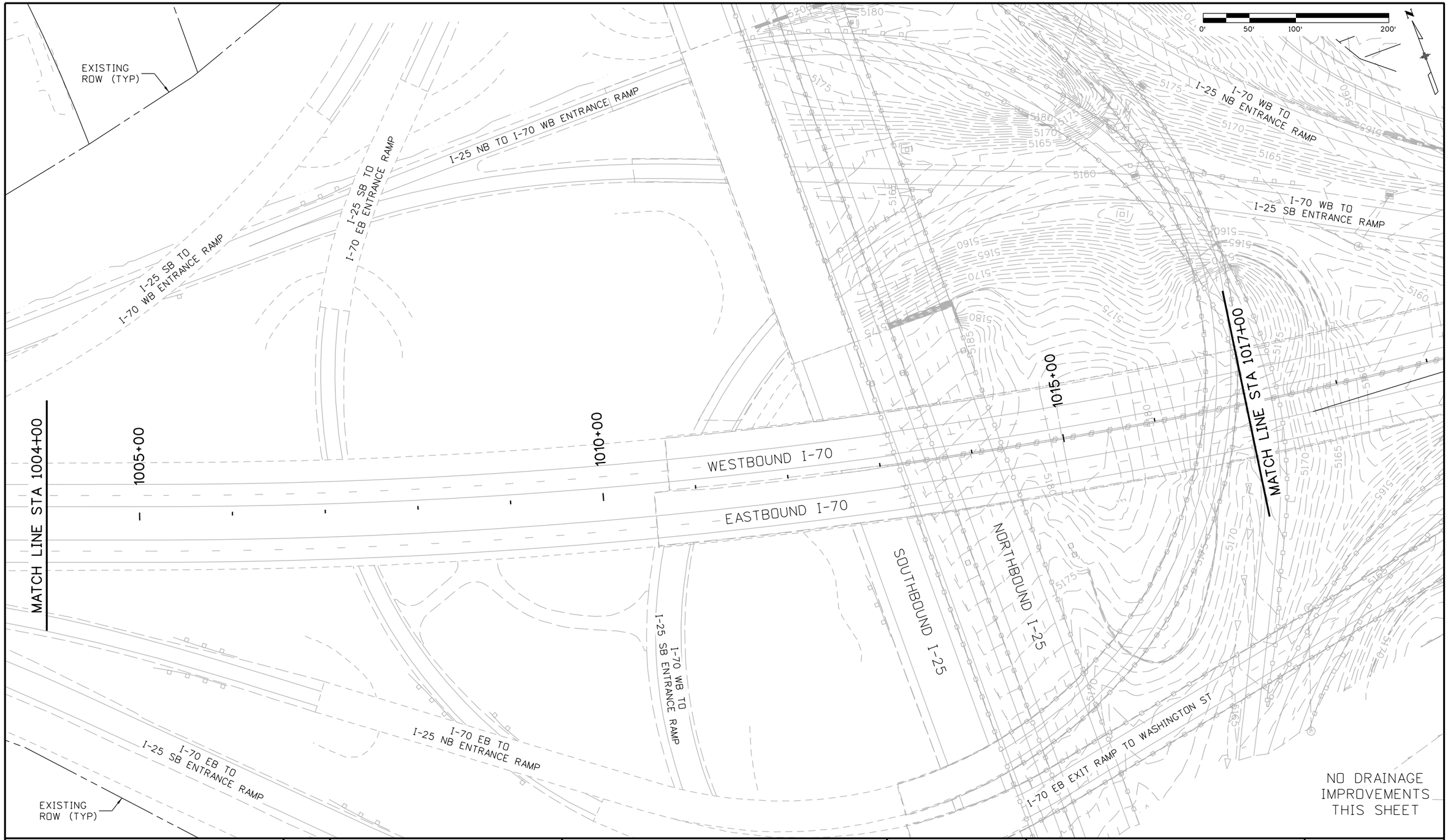
Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 01_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY DRAINAGE PLAN STA 1000+00 TO 1004+00			Project No./Code
Designer:	Structure Numbers		FBR 0704-234
Detailer:			19631
Sheet Subset: Hydr Plan	Subset Sheets: 1 of 58		Sheet Number 283



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Print Date: 9/17/2015			
File Name: 13599HYDR_Procurement_Plan 02_Base_I-70.dgn			
Horiz. Scale: 1:100	Vert. Scale: As Noted		
Unit Information	Unit Leader Initials		
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Sheet Revisions		
Date:	Comments	Init.

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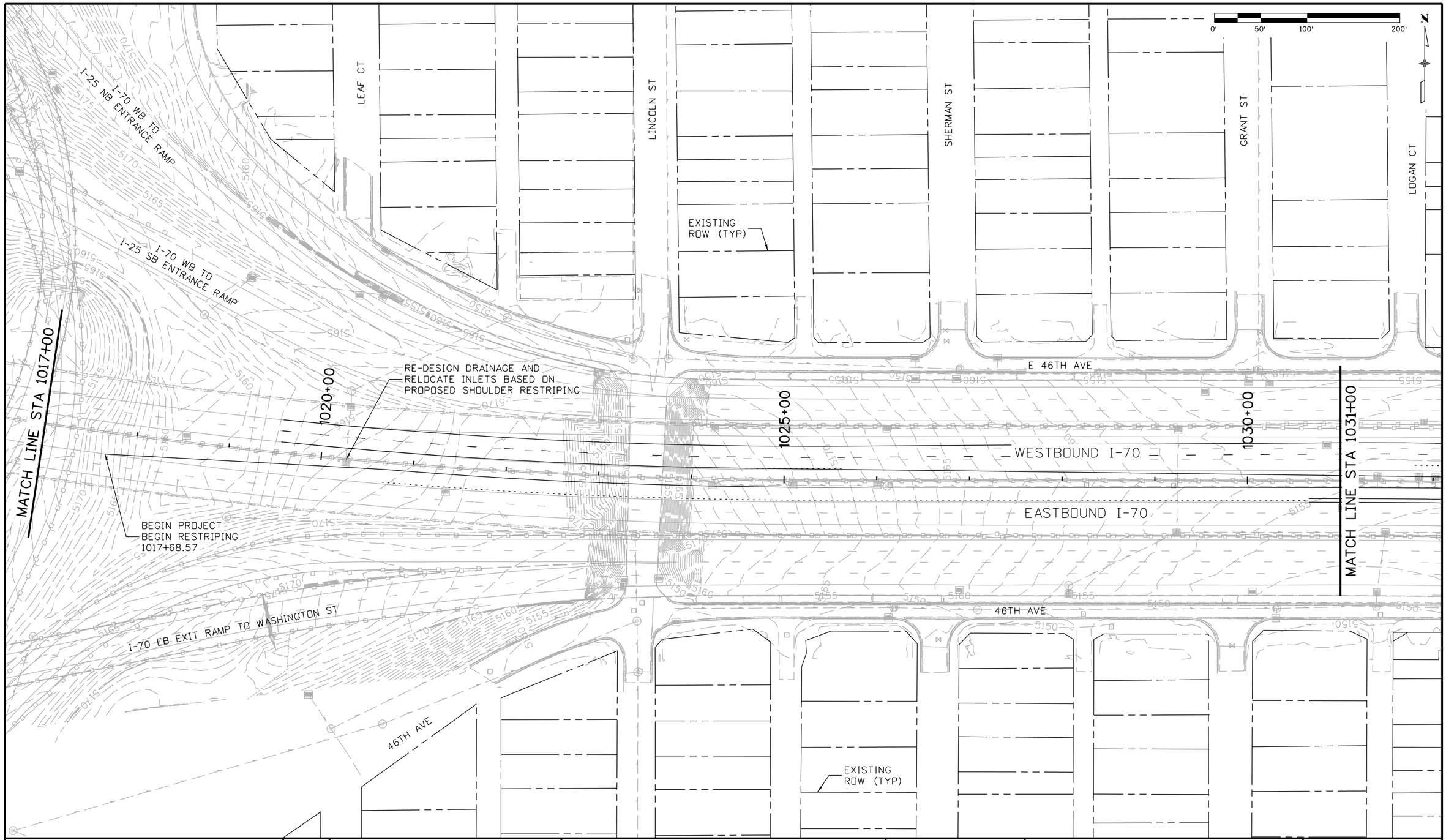
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY	
No Revisions:	
Revised:	
Void:	

I-70 ROADWAY DRAINAGE PLAN STA 1004+00 TO 1017+00			
Designer:	Structure Numbers		
Detailer:			
Sheet Subset: Hydr Plan	Subset Sheets: 2 of 58		

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	284



Print Date: 9/17/2015
File Name: 13599HYDR_Procurement_Plan 03_Base_I-70.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
Unit Information Unit Leader Initials

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Void:

I-70 ROADWAY DRAINAGE PLAN STA 1017+00 TO 1031+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 3 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 285

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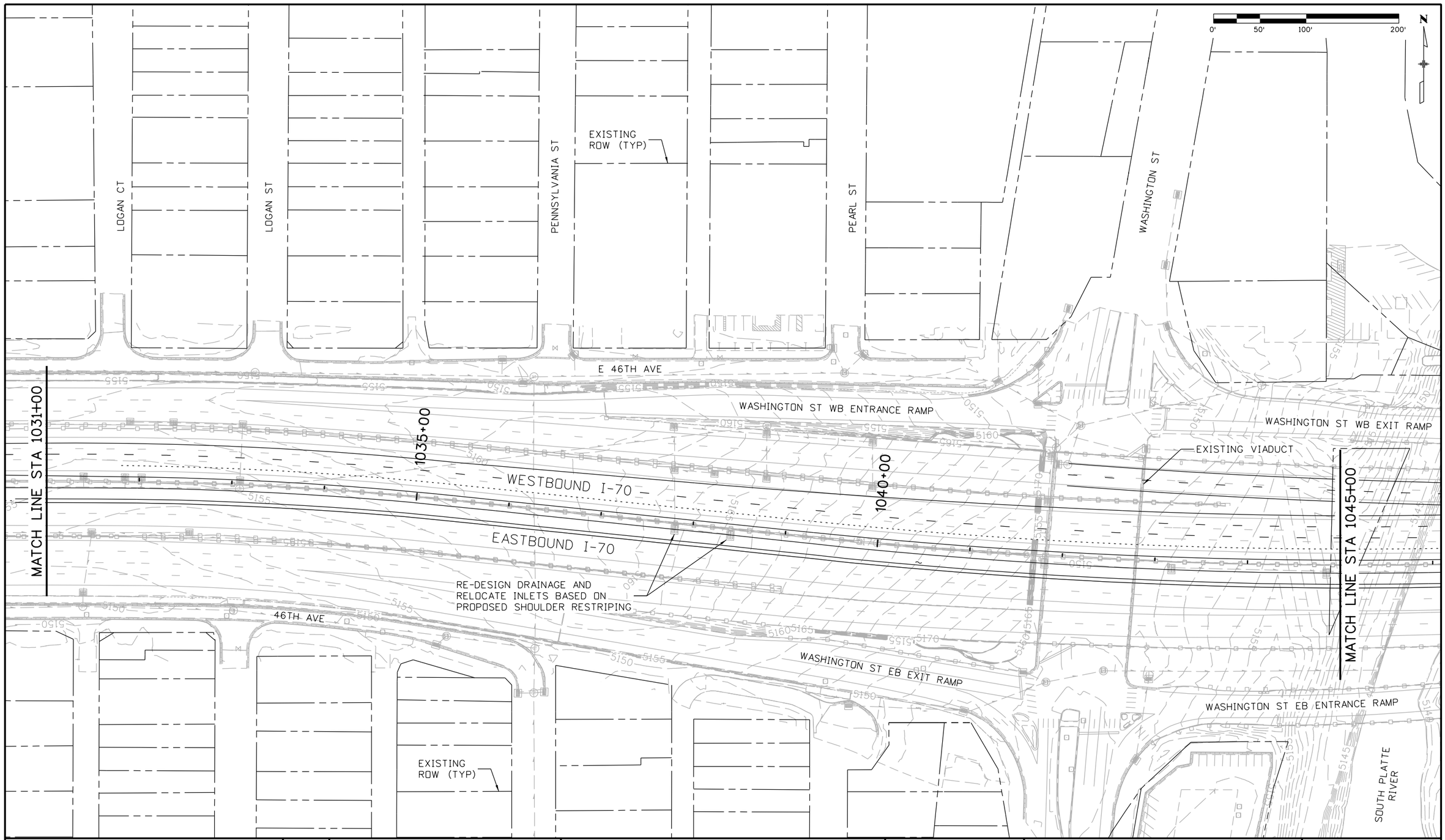

Print Date: 9/17/2015		Sheet Revisions		Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 1031+00 TO 1045+00	Project No./Code
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Horiz. Scale: 1:100	Vert. Scale: As Noted				Revised:	Designer:	19631
Unit Information	Unit Leader Initials					Detailer:	Structure Numbers
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276					Void:	Sheet Subset: Hydr Plan	Subset Sheets: 4 of 58	Sheet Number 286

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Region 1 KJS

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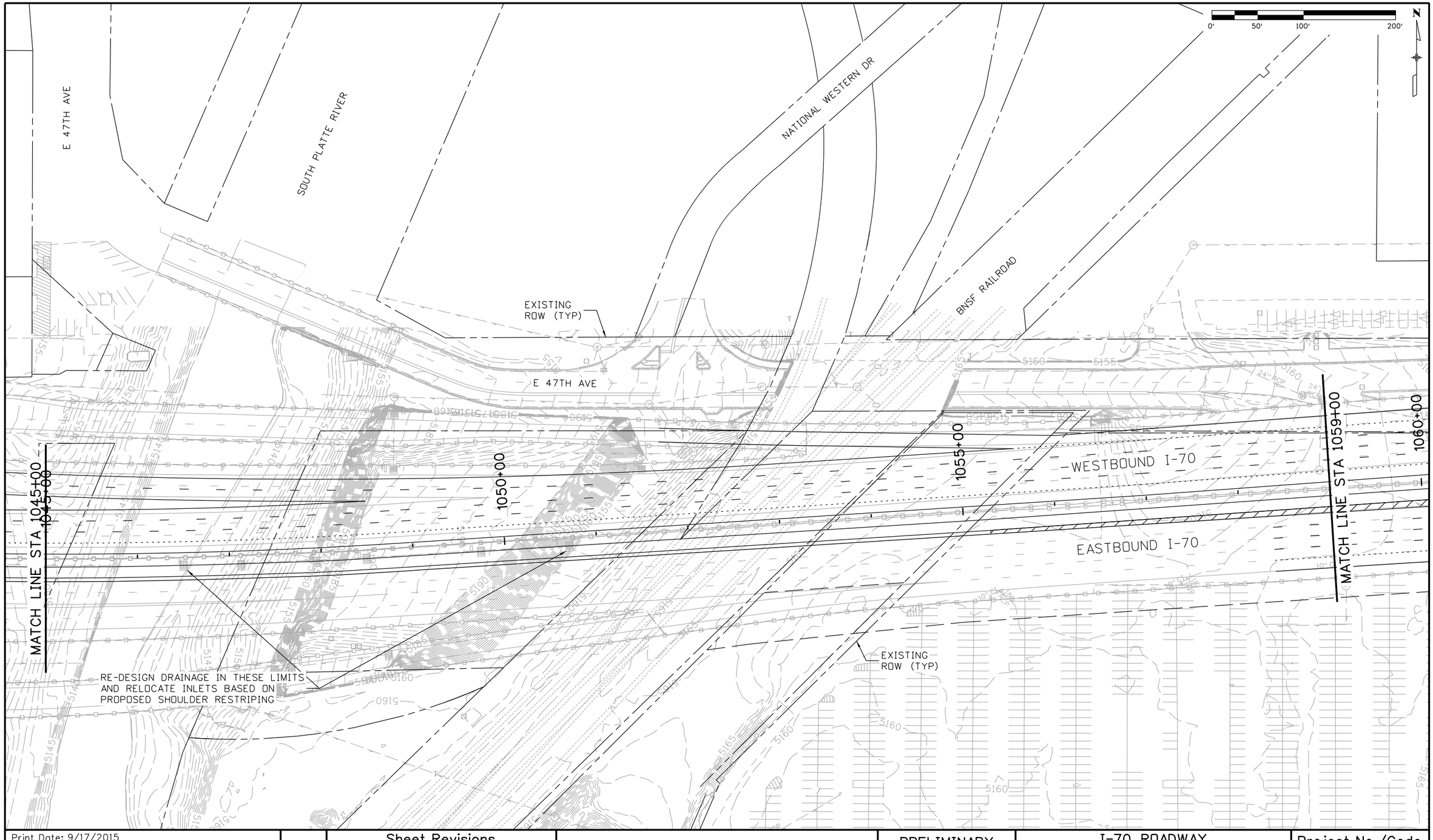

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Unit Information Unit Leader Initials

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Sheet Revisions

Date:	Comments	Init.

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No Revisions:
Revised:
Void:

I-70 ROADWAY DRAINAGE PLAN STA 1045+00 TO 1059+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 5 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 287

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Print Date: 9/17/2015
File Name: 13599HYDR_Procurement_Plan 06_Base_I-70.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
Unit Information Unit Leader Initials

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Sheet Revisions		
Date:	Comments	Init.

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No Revisions:
Revised:
Void:

I-70 ROADWAY DRAINAGE PLAN STA 1059+00 TO 2002+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 6 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 288

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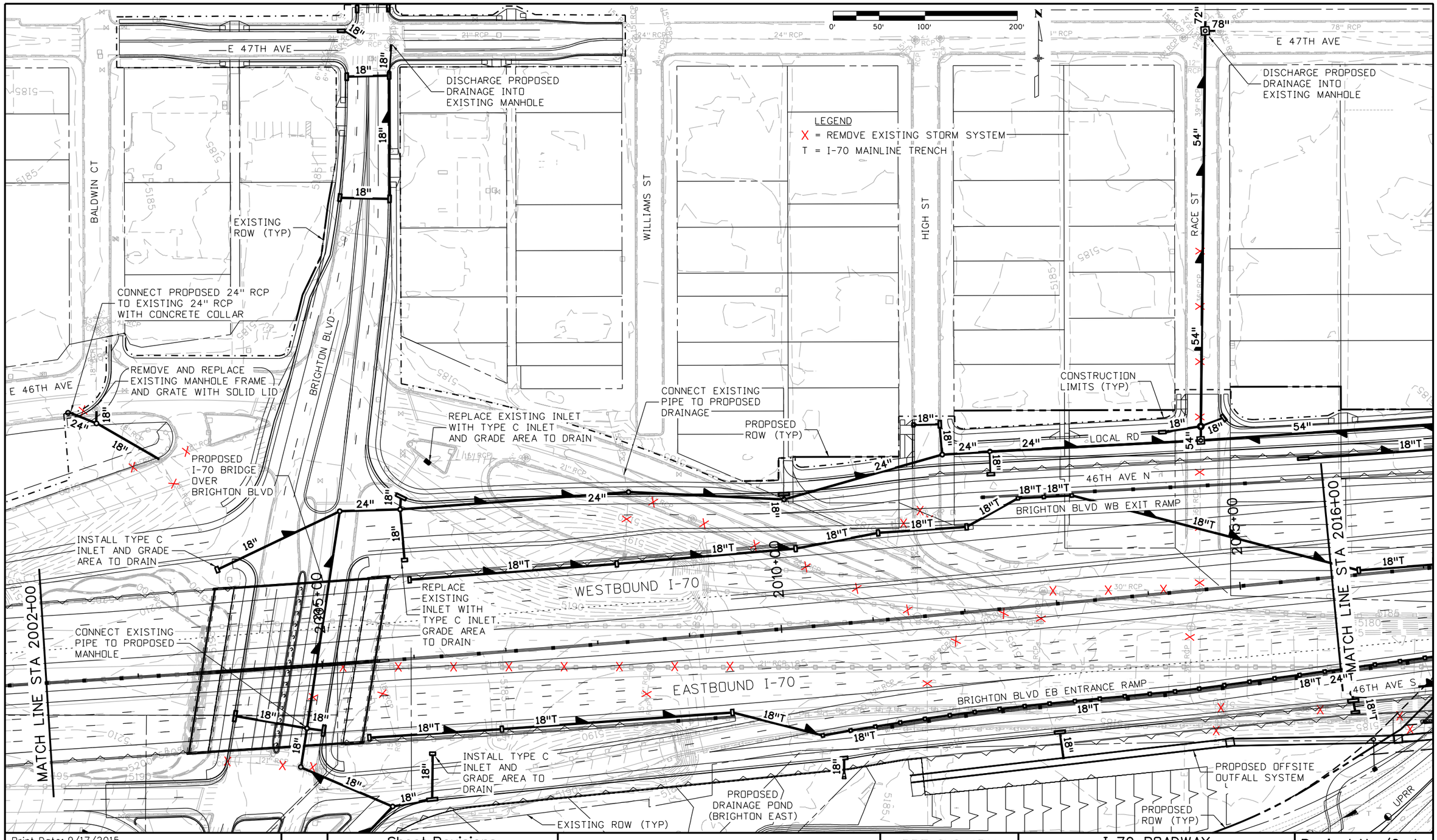

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 2002+00 TO 2016+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 07_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials				Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276		Region 1 KJS	Void:	Sheet Subset: Hydr Plan / Subset Sheets: 7 of 58	Sheet Number 289

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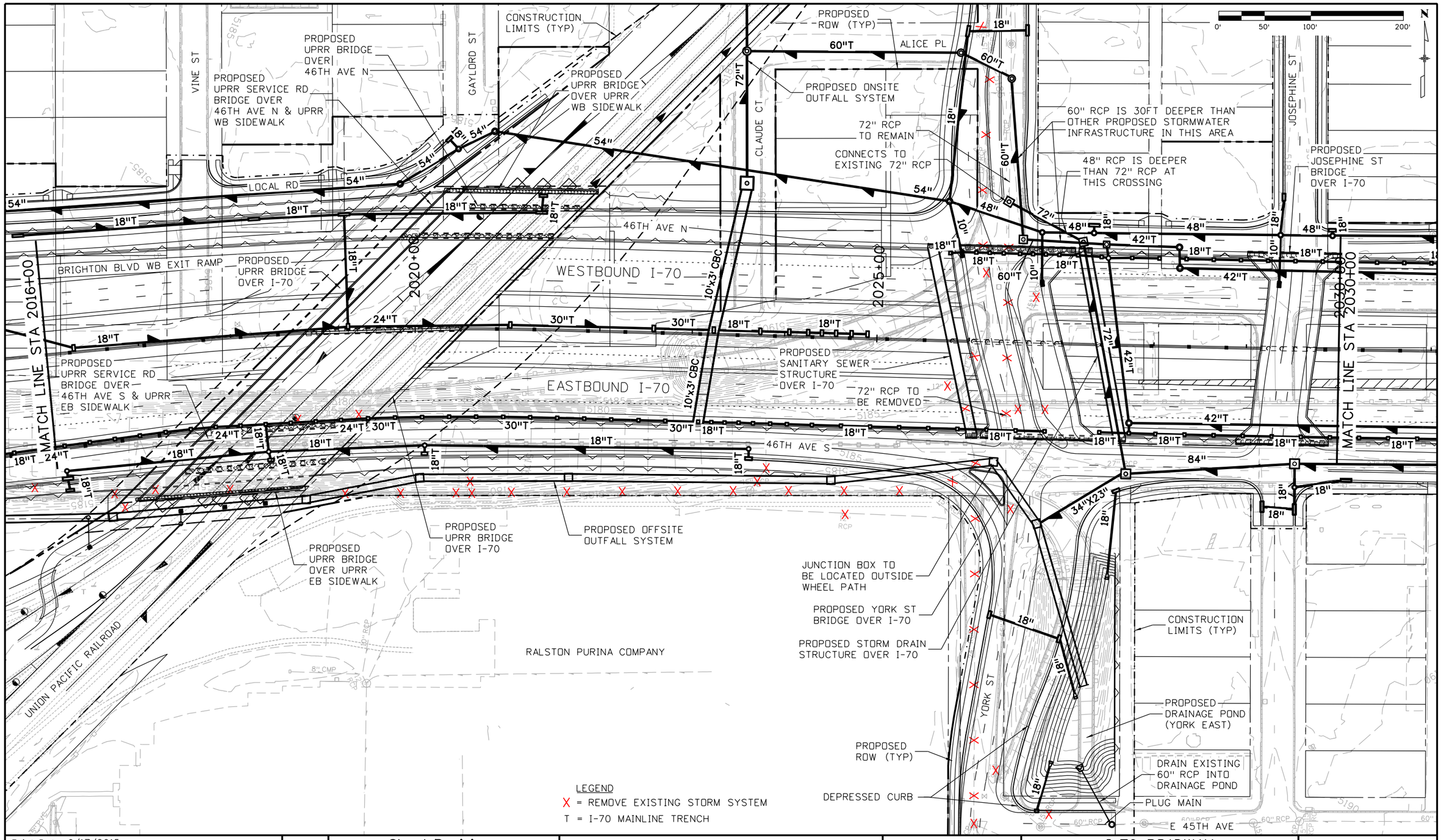

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 2016+00 TO 2030+00	Project No./Code
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Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials				Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276		Region 1 KJS	Void:	Sheet Subset: Hydr Plan / Subset Sheets: 8 of 58	Sheet Number 290

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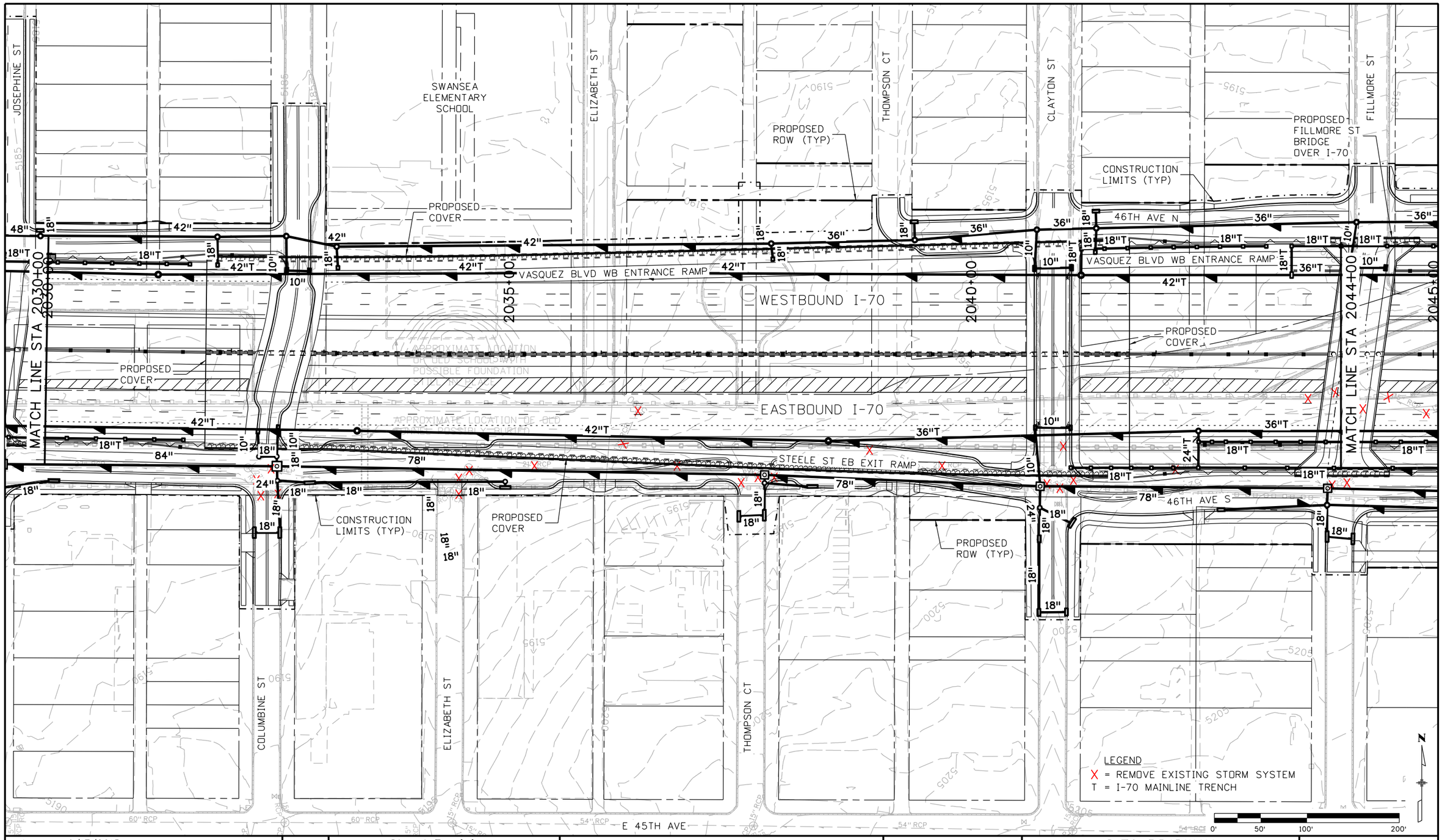

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Horiz. Scale: 1:100	Vert. Scale: As Noted		
Unit Information	Unit Leader Initials		
ATKINS	4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276		

Sheet Revisions

Date:	Comments	Init.

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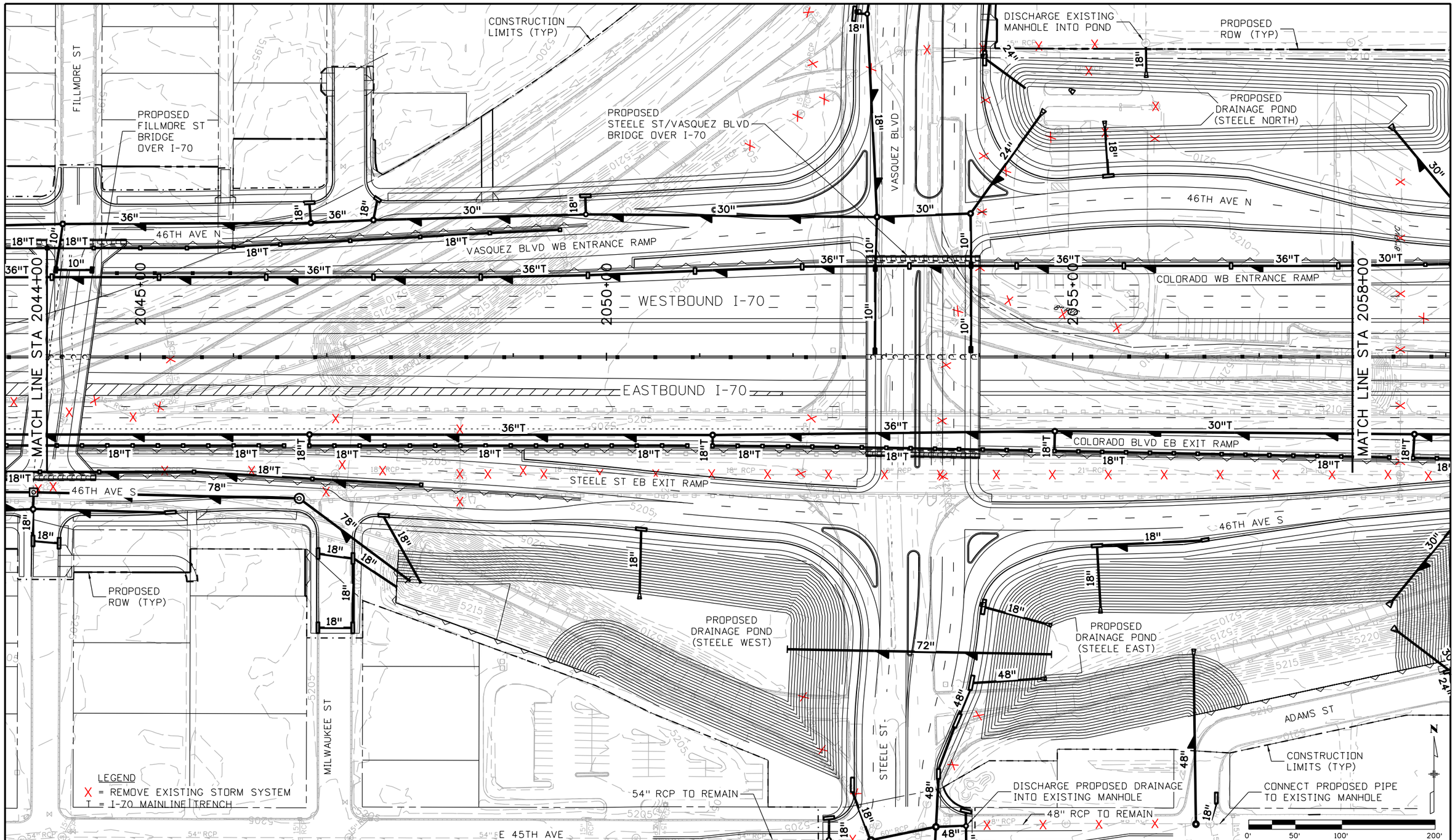
Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

I-70 ROADWAY
DRAINAGE PLAN
STA 2030+00 TO 2044+00

Designer:
Detailer:
Structure Numbers
Sheet Subset: Hydr Plan
Subset Sheets: 9 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 291



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Horiz. Scale: 1:100	Vert. Scale: As Noted		
Unit Information	Unit Leader Initials		
ATKINS	4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276		

Sheet Revisions

Date:	Comments	Init.

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Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

I-70 ROADWAY
DRAINAGE PLAN
STA 2044+00 TO 2058+00

Designer:
Detailer:
Structure Numbers
Sheet Subset: Hydr Plan
Subset Sheets: 10 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 292

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PROPOSED ROW (TYP)
EXISTING ROW (TYP)
PROPOSED DRAINAGE POND (STEELE NORTH)
CONSTRUCTION LIMITS (TYP)
PROPOSED BNSF MARKET LEAD RR BRIDGE OVER I-70
BNSF MARKET LEAD RR
PROPOSED MONROE ST BRIDGE OVER I-70
INSTALL TYPE D INLET AND GRADE AREA TO DRAIN
JACKSON ST
46TH AVE N.
COLORADO BLVD WB ENTRANCE RAMP
WESTBOUND I-70
EASTBOUND I-70
COLORADO BLVD EB EXIT RAMP
46TH AVE S
MATCH LINE STA 2058+00
MATCH LINE STA 2072+00
2060+00
2065+00
2070+00
PROPOSED COOK ST BRIDGE OVER I-70
COOK ST
PROPOSED DRAINAGE POND (STEELE EAST)
ADAMS ST
EXISTING ROW (TYP)
MADISON ST
MONROE ST
GARFIELD ST
MANHOLE CONNECT TO EXISTING
PROPOSED ROW (TYP)
E 45TH AVE
CONSTRUCTION LIMITS (TYP)

LEGEND
X = REMOVE EXISTING STORM SYSTEM
T = I-70 MAINLINE TRENCH

0' 50' 100' 200'

gain3182 2:40:40 PM S:\I70data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 11_Base_I-70.dgn

Print Date: 9/17/2015			
File Name: 13599HYDR_Procurement_Plan 11_Base_I-70.dgn			
Horiz. Scale: 1:100	Vert. Scale: As Noted		
Unit Information	Unit Leader Initials		

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Sheet Revisions

Date:	Comments	Init.

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2000 South Holly Street
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

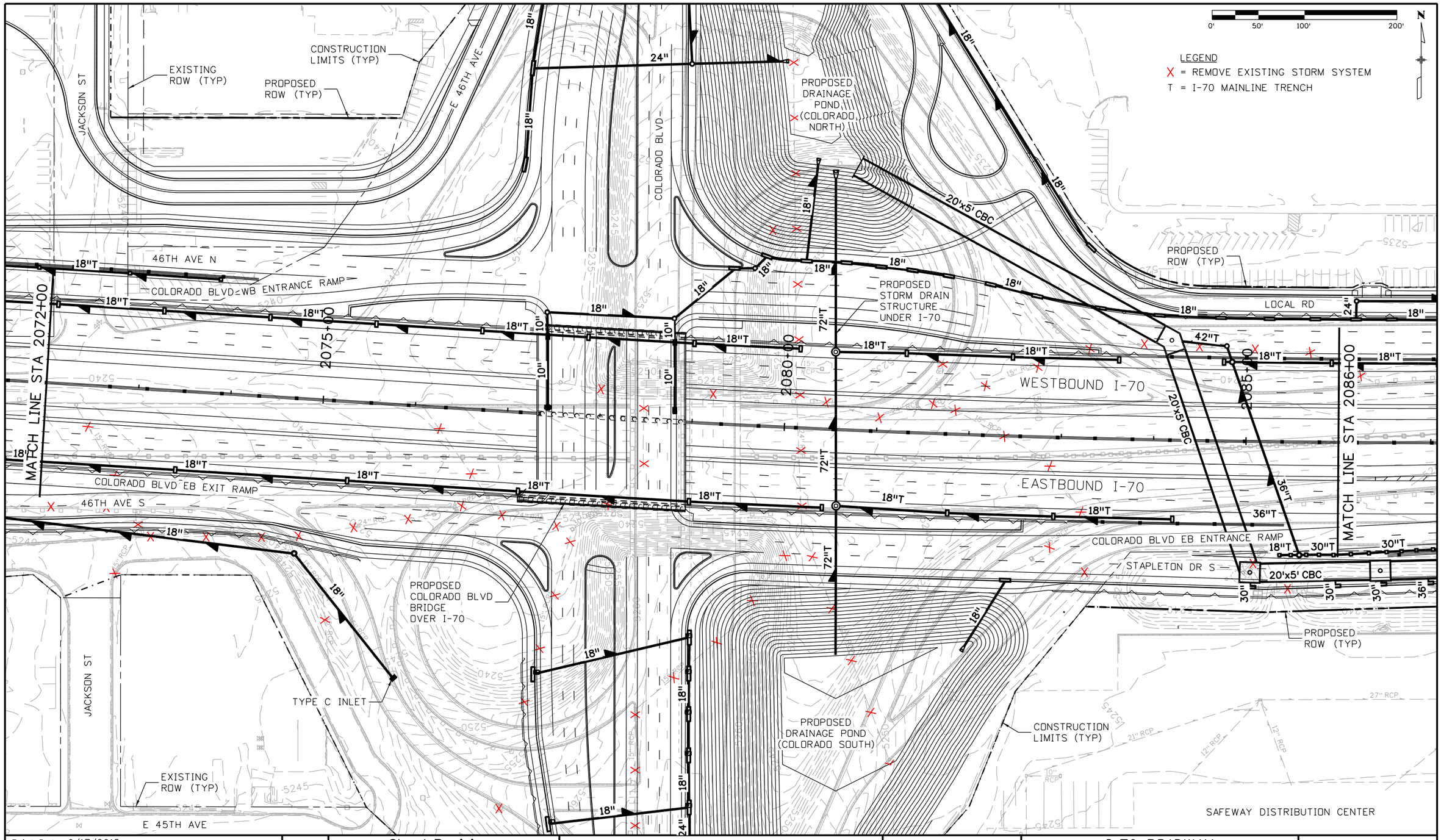
PRELIMINARY

No Revisions:	
Revised:	
Void:	

I-70 ROADWAY DRAINAGE PLAN STA 2058+00 TO 2072+00

Designer:		Structure Numbers	
Detailer:			
Sheet Subset: Hydr Plan		Subset Sheets: 11 of 58	

Project No./Code
FBR 0704-234
19631
Sheet Number 293



Print Date: 9/17/2015	Sheet Revisions		Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 2072+00 TO 2086+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 12_Base_I-70.dgn	Date:	Comments	Init.	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	Revised:	Designer: Structure Numbers	19631
Unit Information Unit Leader Initials				Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			Region 1 KJS		Sheet Subset: Hydr Plan Subset Sheets: 12 of 58	Sheet Number 294

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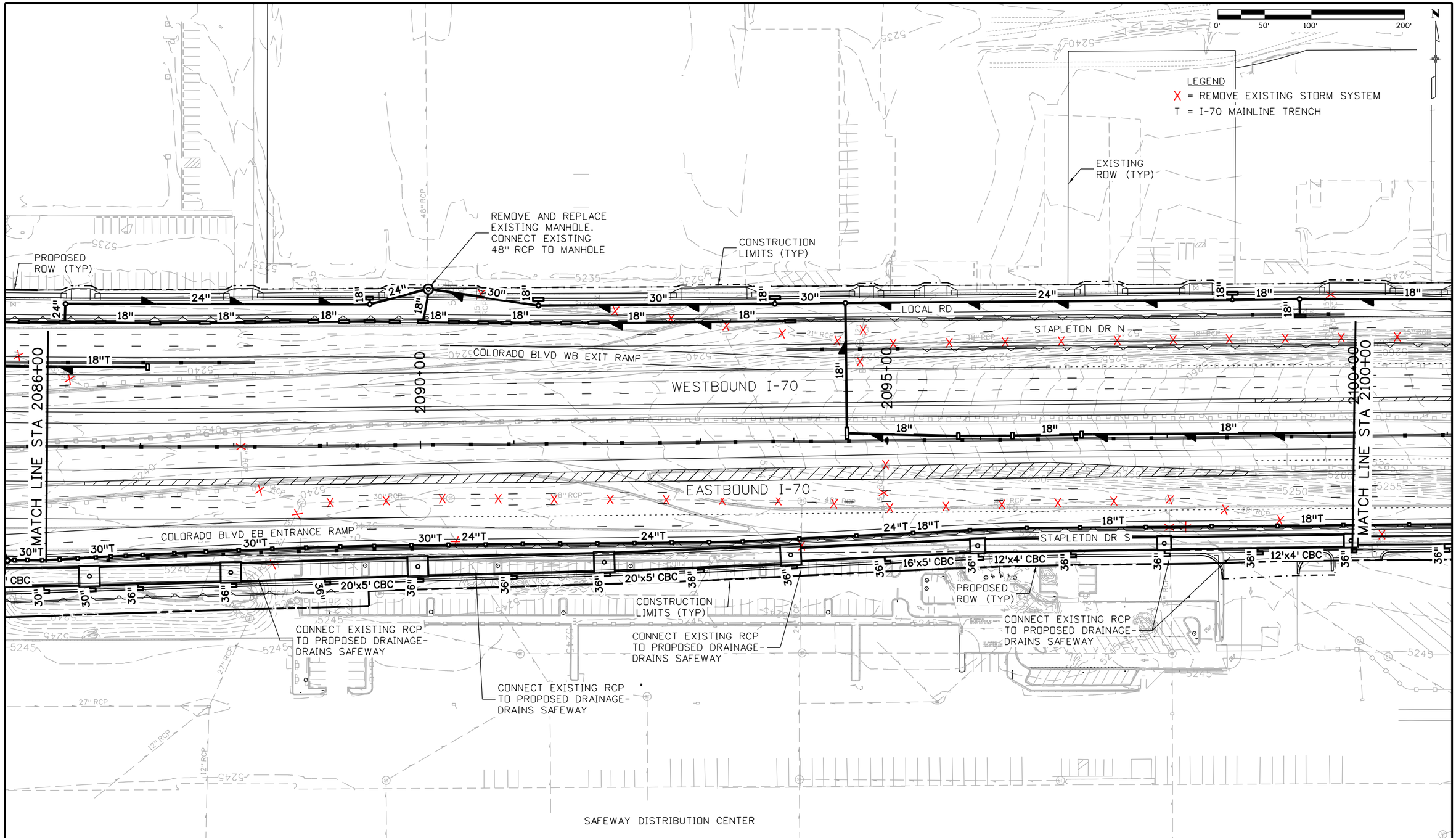

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 13_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street, Denver, CO 80222, Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700, Denver, CO 80237, Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY DRAINAGE PLAN STA 2086+00 TO 2100+00

Designer:
Detailer:
Structure Numbers
Sheet Subset: Hydr Plan
Subset Sheets: 13 of 58

Project No./Code: FBR 0704-234
19631
Sheet Number 295

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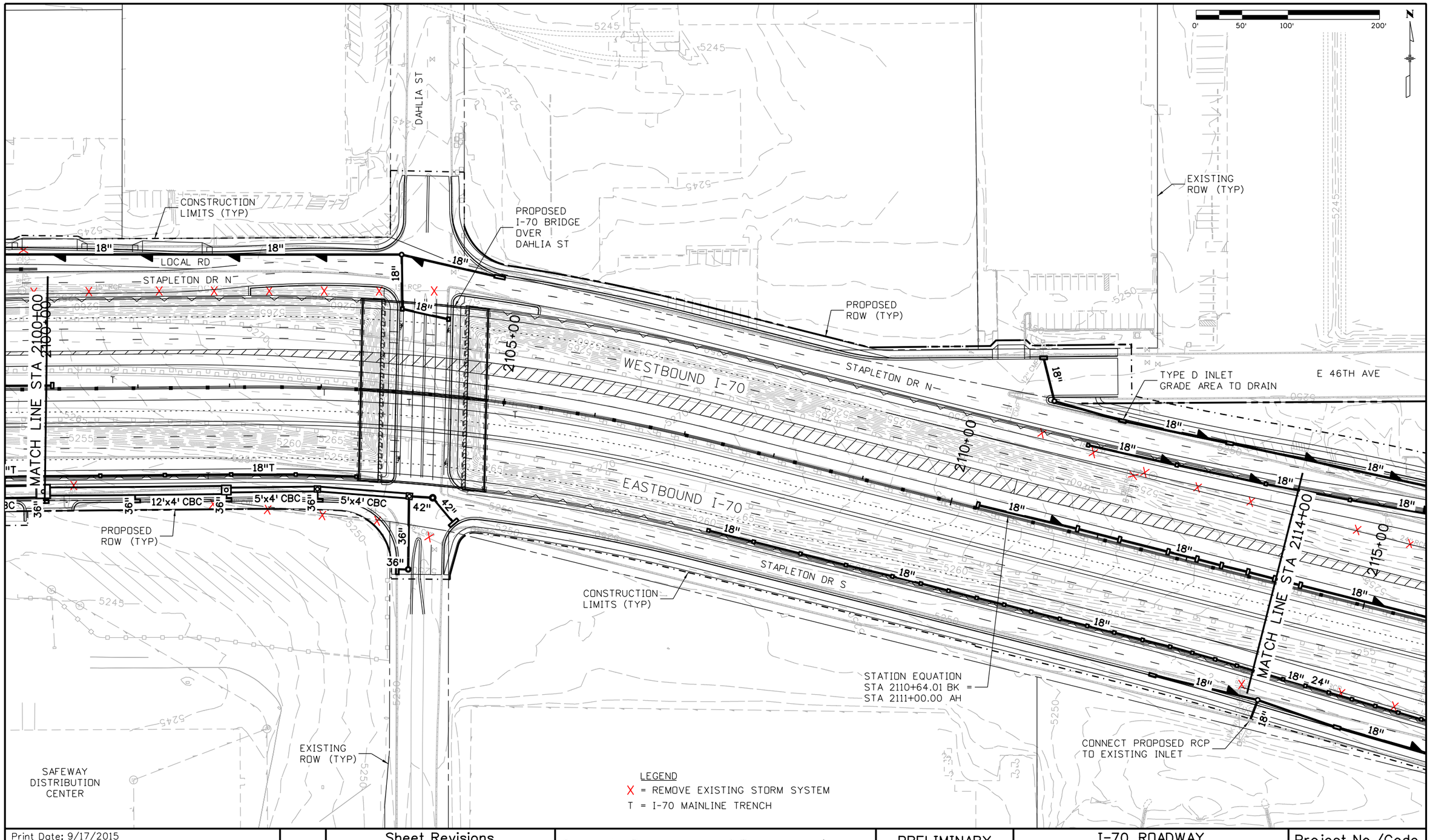

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 14_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
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I-70 ROADWAY DRAINAGE PLAN STA 2100+00 TO 2114+00			Project No./Code
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Designer:	Structure Numbers		19631
Detailer:			
Sheet Subset: Hydr Plan	Subset Sheets: 14 of 58		Sheet Number 296

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0' 50' 100' 200'

N

LEGEND

X = REMOVE EXISTING STORM SYSTEM

E 46TH AVE

GLENCOE ST

GRAPE ST

STAPLETON DR N

STAPLETON DR S

HOLLY ST WB ENTRANCE RAMP

HOLLY ST EB EXIT RAMP

WESTBOUND I-70

EASTBOUND I-70

FOREST ST

MATCH LINE STA 2114+00

2115+00

2120+00

2125+00

MATCH LINE STA 2128+00

PROPOSED ROW (TYP)

EXISTING ROW (TYP)

EXISTING RCP TO REMAIN

CONNECT PROPOSED RCP TO EXISTING 108" RCP

REMOVE AND REPLACE EXISTING MANHOLE

REMOVE AND REPLACE EXISTING MANHOLE. CONNECT PROPOSED RCP TO MANHOLE

CONSTRUCTION LIMITS (TYP)

CONNECT PROPOSED MANHOLE TO EXISTING 72" RCP

REMOVE AND REPLACE 108" RCP

REMOVE AND REPLACE EXISTING 60" RCP WITH 72" RCP

EXISTING INLET TO DRAIN TO PROPOSED RCP

CONSTRUCTION LIMITS (TYP)

REMOVE AND REPLACE EXISTING MANHOLE AND PIPES

CONNECT EXISTING 108" RCP TO PROPOSED MANHOLE

108" RCP TO REMAIN

PROPOSED ROW (TYP)

REMOVE AND REPLACE EXISTING MANHOLE. CONNECT EXISTING RCP TO MANHOLE.

EXISTING ROW (TYP)

Print Date: 9/17/2015	
File Name: 13599HYDR_Procurement_Plan 15_Base_I-70.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

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Date:	Comments	Init.

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Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY

No Revisions:

Revised:

Void:

I-70 ROADWAY DRAINAGE PLAN
STA 2114+00 TO 2128+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 15 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 297

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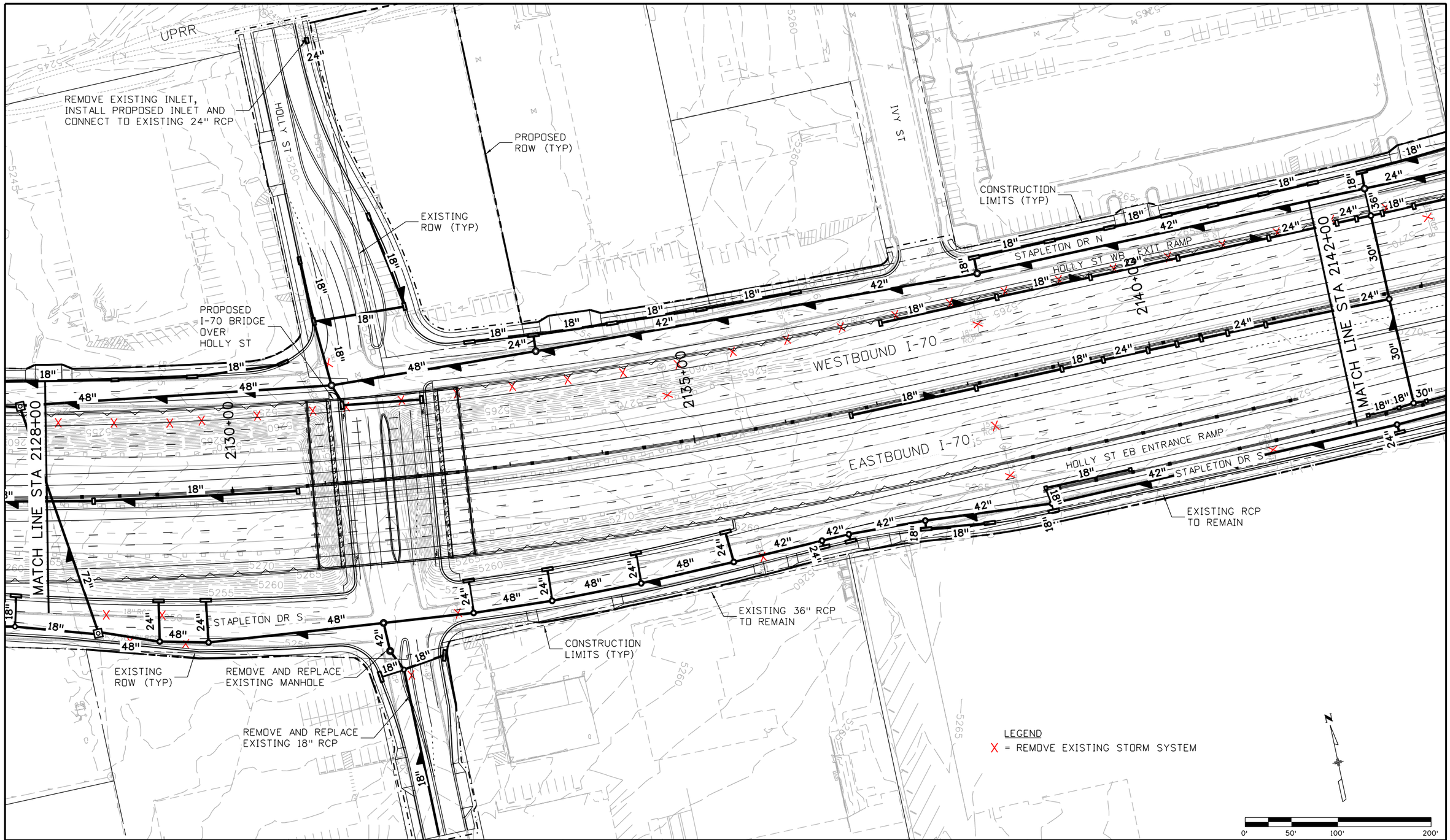

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 2128+00 TO 2142+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 16_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials		Region 1 KJS	Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276				Sheet Subset: Hydr Plan / Subset Sheets: 16 of 58	Sheet Number 298

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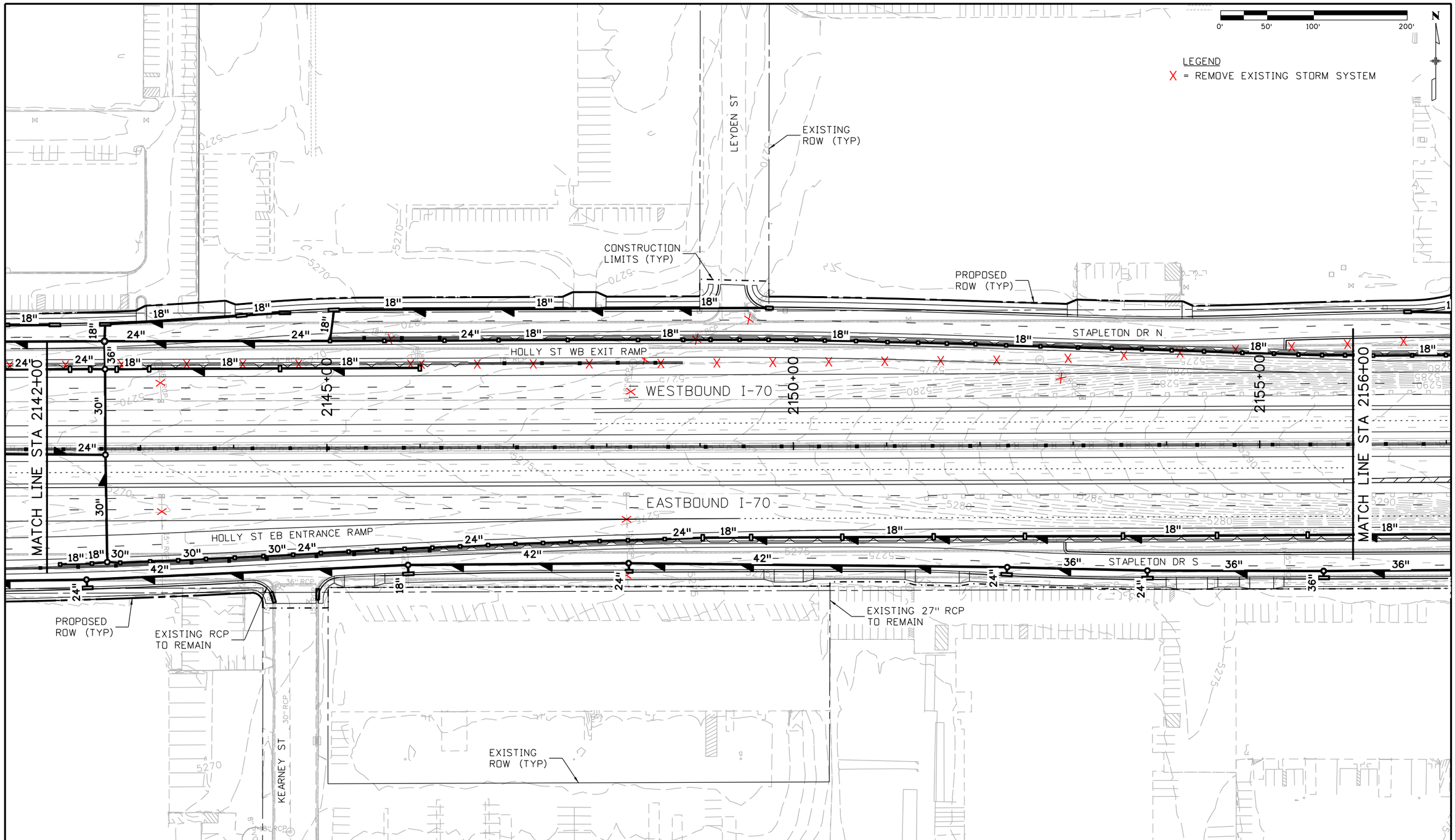

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 17_Base_I-70.dgn	Date: Comments: Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY DRAINAGE PLAN STA 2142+00 TO 2156+00		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
Detailer:		19631
Sheet Subset: Hydr Plan	Subset Sheets: 17 of 58	Sheet Number 299

gain3182 2:41:07 PM S:\17Data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 17_Base_I-70.dgn

CONNECT PROPOSED RCP TO EXISTING RCP

CONSTRUCTION LIMITS (TYP)

EXISTING ROW (TYP)

DENVER ROCK ISLAND RR

PROPOSED ROW (TYP)

MONACO ST

STAPLETON DR N

MATCH LINE STA 2156+00

2160+00

WESTBOUND I-70

2165+00

QUEBEC ST WB ENTRANCE RAMP

2170+00

MATCH LINE STA 2170+00

CONNECT DECK DRAIN DOWNSPOUT TO INLET ON HOLLY ST.

EASTBOUND I-70

QUEBEC ST EB EXIT RAMP

STAPLETON DR S

EXISTING 27" RCP TO BE PLUGGED AND ABANDONED IN PLACE

REMOVE AND REPLACE EXISTING MANHOLE

PROPOSED I-70 BRIDGE OVER MONACO ST

REMOVE AND REPLACE 18" RCP

CONNECT EXISTING RCP TO PROPOSED MANHOLE

CONNECT EXISTING VCP TO PROPOSED MANHOLE

CONSTRUCTION LIMITS (TYP)

PROPOSED ROW (TYP)

EXISTING ROW (TYP)

ONEIDA ST

LEGEND

X = REMOVE EXISTING STORM SYSTEM

0' 50' 100' 200'

N

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Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

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I-70 ROADWAY DRAINAGE PLAN STA 2156+00 TO 2170+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 18 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 300

DENVER ROCK ISLAND RR

PROVIDE OUTFALL PROTECTION FOR DECK DRAIN DOWNSPOUT

PROPOSED ROW (TYP)

EXISTING ROW (TYP)

CONSTRUCTION LIMITS (TYP)

STAPLETON DR N

STAPLETON DR S

QUEBEC ST WB ENTRANCE RAMP

QUEBEC ST EB EXIT RAMP

WESTBOUND I-70

EASTBOUND I-70

AIRLAWN RD

ONEIDA ST

MATCH LINE STA 2170+00

MATCH LINE STA 2182+00

2175+00

2180+00

REMOVE AND REPLACE EXISTING 48" RCP

CONNECT EXISTING 48" RCP TO PROPOSED MANHOLE

CONNECT PROPOSED MANHOLE TO EXISTING RCP

EXISTING ROW (TYP)

CONSTRUCTION LIMITS (TYP)

N

0' 50' 100' 200'

LEGEND

X = REMOVE EXISTING STORM SYSTEM

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File Name: 13599HYDR_Procurement_Plan 19_Base_I-70.dgn	
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I-70 ROADWAY DRAINAGE PLAN STA 2170+00 TO 2182+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 19 of 58

Project No./Code: FBR 0704-234

19631

Sheet Number 301

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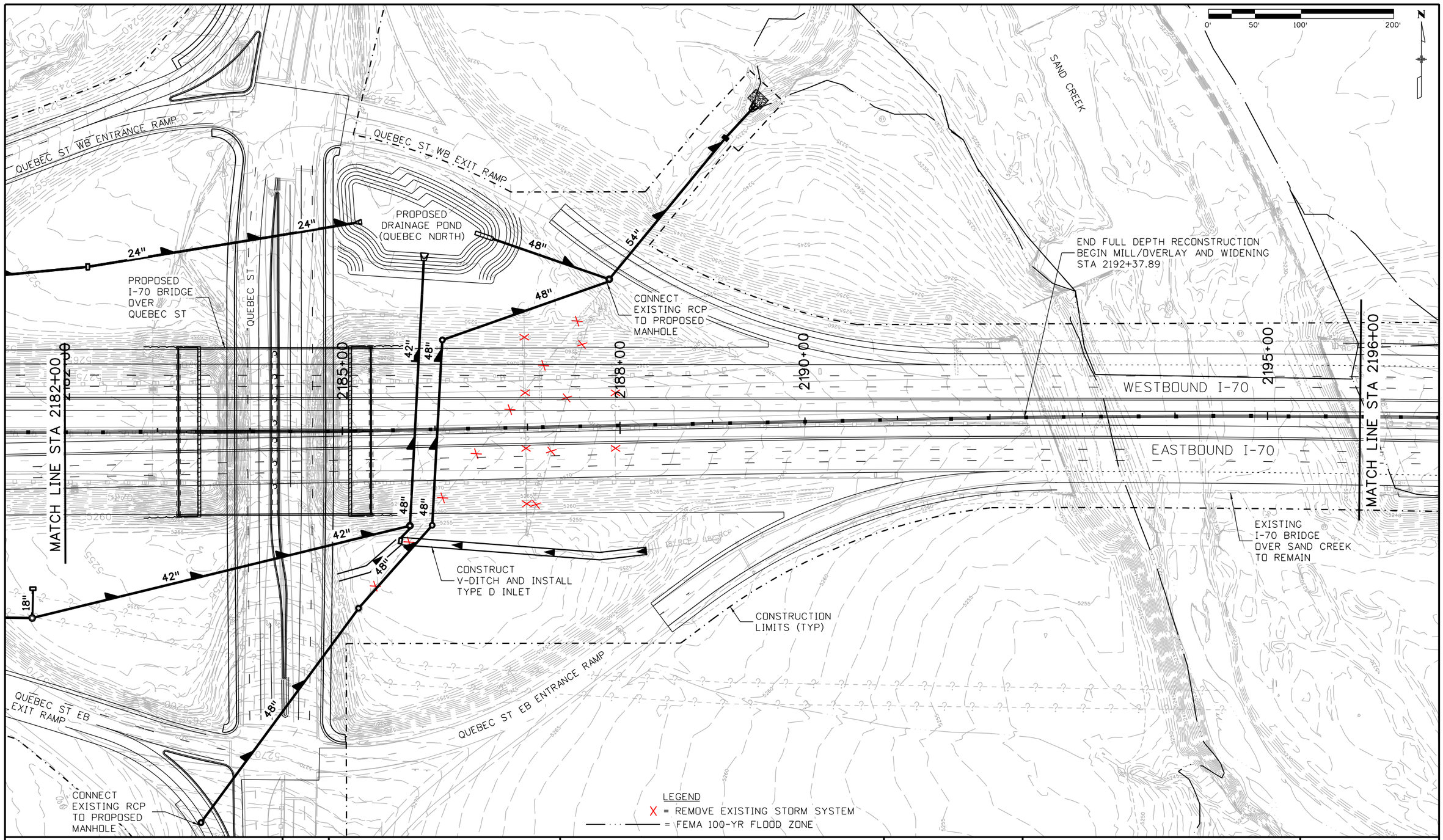

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I-70 ROADWAY DRAINAGE PLAN STA 2182+00 TO 2196+00			Project No./Code
Designer:	Structure Numbers		FBR 0704-234
Detailer:			19631
Sheet Subset: Hydr Plan	Subset Sheets: 20 of 58		Sheet Number 302

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CONSTRUCTION LIMITS (TYP)

I-270 EB CONNECTOR

CONNECT PROPOSED I-270 EB CONNECTOR BRIDGE INLETS TO EXISTING DRAINAGE

REMOVE AND REPLACE EXISTING RCP OUTFALL

PROPOSED SWALE

PROPOSED SWALE

CONSTRUCT V-DITCH TO PRESERVE FLOW OF EXISTING DITCH

24"

MATCH LINE STA 2196+00

2200+00

2205+00

2210+00

MATCH LINE STA 2210+00

WESTBOUND I-70

EASTBOUND I-70

I-270 WB

EXISTING ROW (TYP)

0' 50' 100' 200'

N

LEGEND

= FEMA 100-YR FLOOD ZONE

PROPOSED I-270 EB CONNECTOR BRIDGE OVER I-70

CONNECT PROPOSED I-270 EB CONNECTOR BRIDGE INLETS TO EXISTING DRAINAGE

CONSTRUCTION LIMITS (TYP)

SAND CREEK

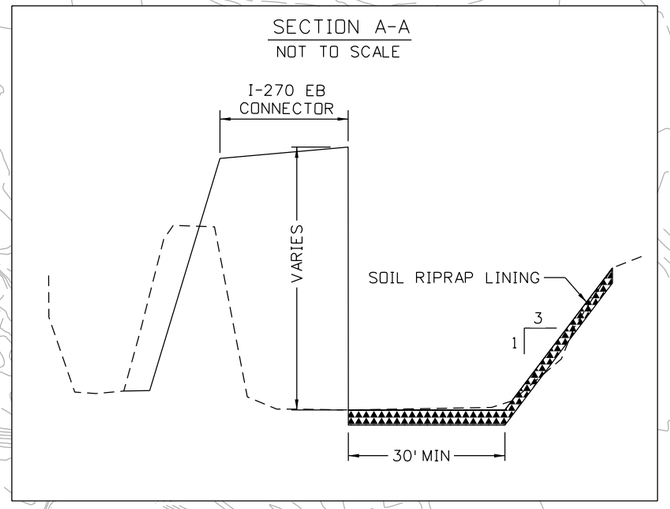
SAND CREEK OVERFLOW CHANNEL

A

A

SECTION A-A

NOT TO SCALE



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I-70 ROADWAY DRAINAGE PLAN STA 2196+00 TO 2210+00

Designer:		Structure Numbers	
Detailer:			
Sheet Subset: Hydr Plan		Subset Sheets: 21 of 58	

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	303

EXISTING ROW (TYP)

I-270 WB EXIT RAMP

FILL IN EXISTING DITCH

PROPOSED SWALE

CONSTRUCTION LIMITS (TYP)

CENTRAL PARK BLVD WB ENTRANCE RAMP

MATCH LINE STA 2210+00

2215+00

2220+00

MATCH LINE STA 2224+00

WESTBOUND I-70

EASTBOUND I-70

CENTRAL PARK BLVD EB EXIT RAMP

PROPOSED SWALE

CONSTRUCTION LIMITS (TYP)

REMOVE AND REPLACE EXISTING OUTLET PIPE

54" RCP

I-270 EB CONNECTOR

I-270 EB TO I-70 EB ENTRANCE RAMP

A

A

SAND CREEK OVERFLOW CHANNEL
SEE ATTACHED CROSS-SECTION

EXISTING ROW (TYP)

54" RCP

PROPOSED SWALE

I-270 EB EXIT TO CENTRAL PARK BLVD

= FEMA FLOOD ZONE A

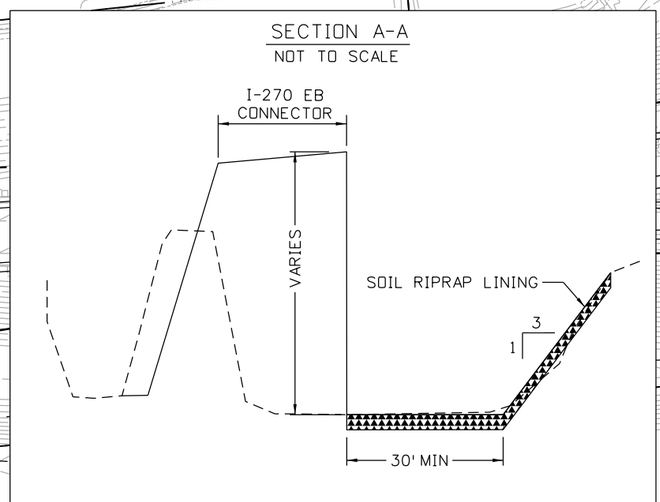
LEGEND

= FEMA 100-YR FLOOD ZONE

0' 50' 100' 200'

N

SECTION A-A
NOT TO SCALE



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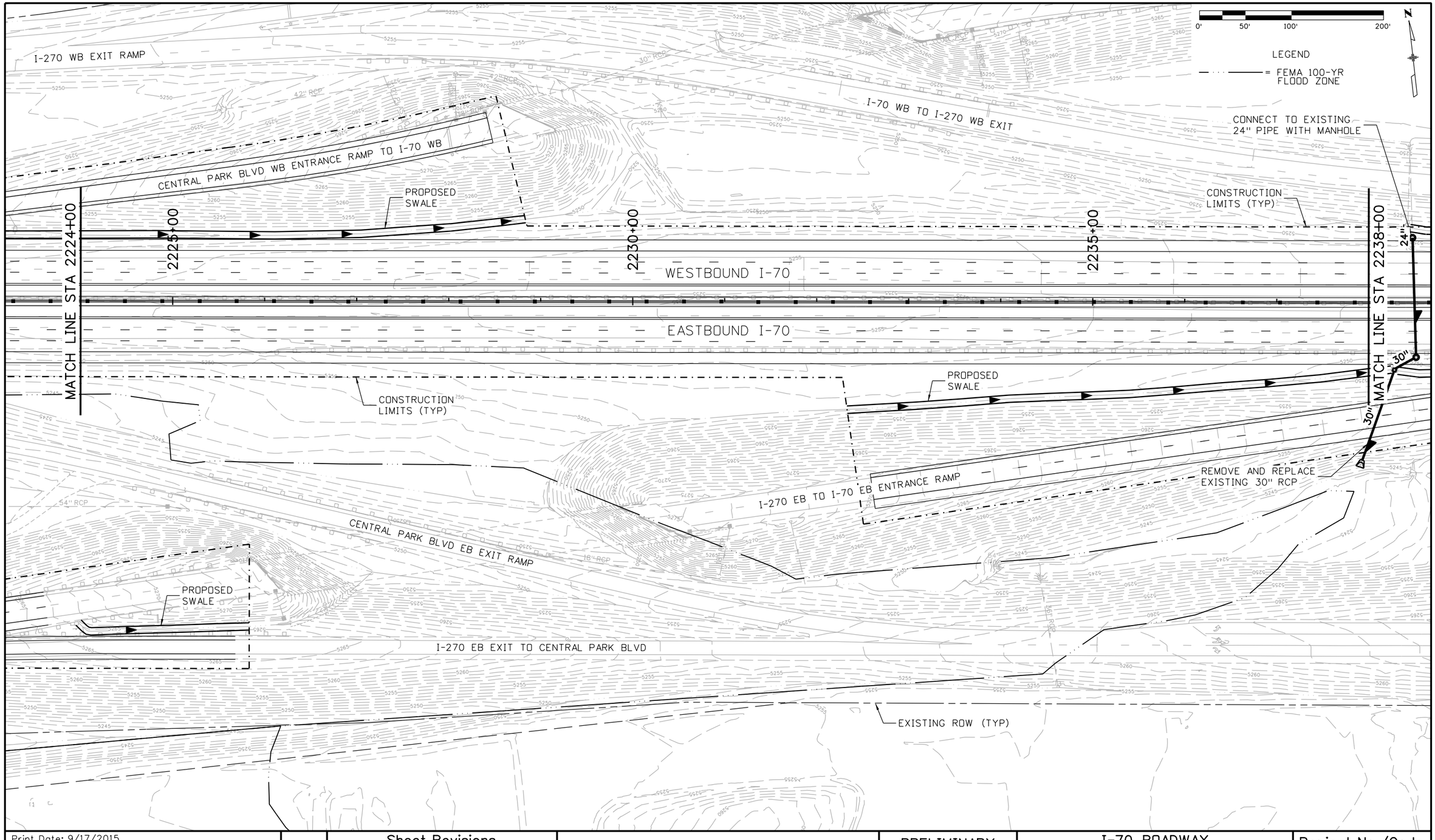
I-70 ROADWAY DRAINAGE PLAN STA 2210+00 TO 2224+00		Project No./Code
		FBR 0704-234
Designer:	Structure Numbers	19631
Detailer:		
Sheet Subset: Hydr Plan	Subset Sheets: 22 of 58	Sheet Number 304



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Horiz. Scale: 1:100 Vert. Scale: As Noted			
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I-70 ROADWAY DRAINAGE PLAN STA 2224+00 TO 2238+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 23 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 305

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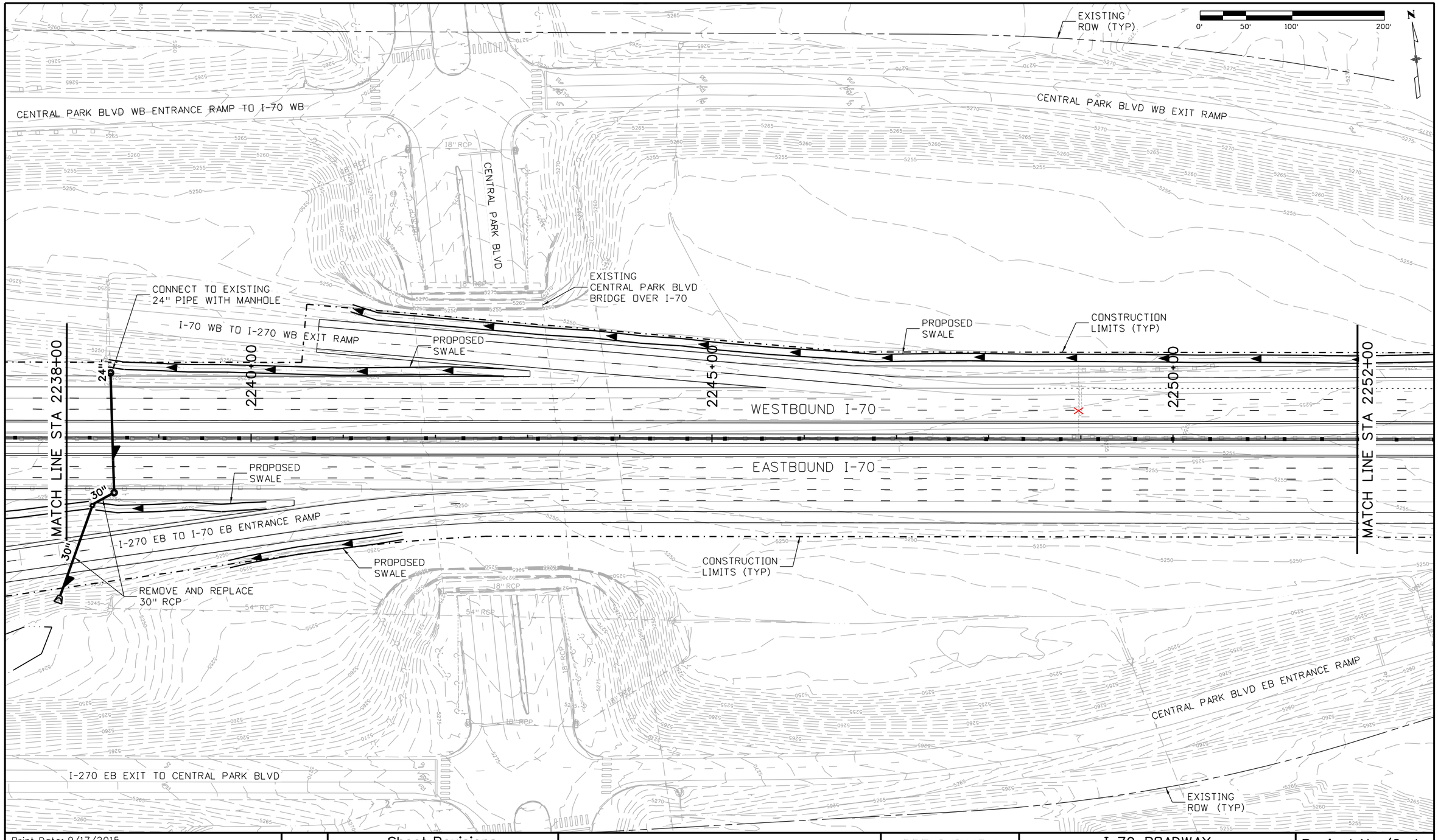

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I-70 ROADWAY DRAINAGE PLAN STA 2238+00 TO 2252+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 24 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 306

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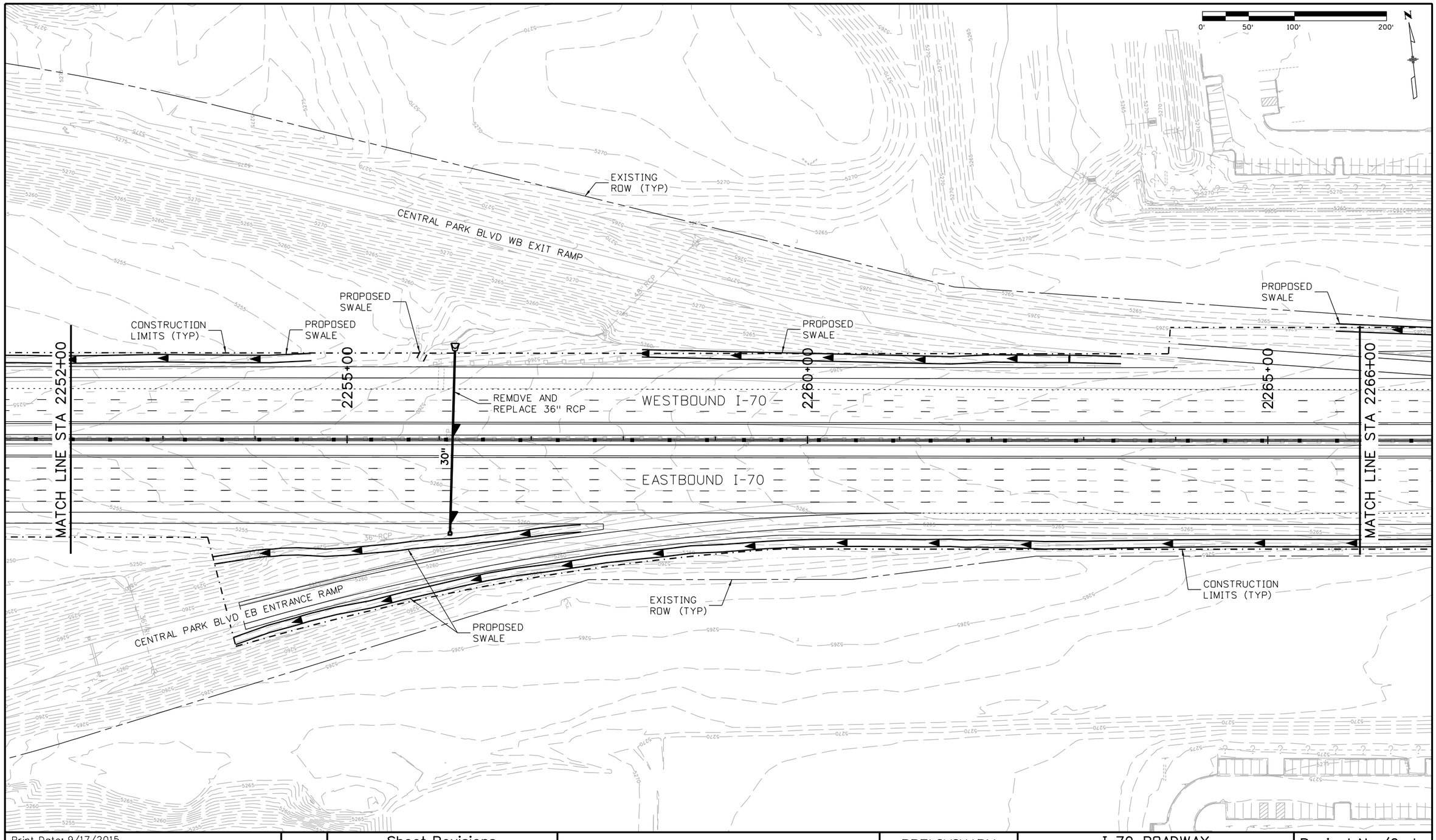

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I-70 ROADWAY DRAINAGE PLAN STA 2252+00 TO 2266+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
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Project No./Code
FBR 0704-234
19631
Sheet Number 307

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0' 50' 100' 200'

N

CONSTRUCTION LIMITS (TYP)

PROPOSED SWALE

EXISTING ROW (TYP)

PROPOSED SWALE

CENTRAL PARK BLVD WB EXIT RAMP

MATCH LINE STA 2266+00

2270+00

2275+00

WESTBOUND I-70

EASTBOUND I-70

2280+00

MATCH LINE STA 2280+00

EXISTING ROW (TYP)

END MILL/OVERLAY AND FULL DEPTH WIDENING BEGIN RESTRIPING FOR PROPOSED HAVANA ST WORK (BY OTHERS) STA 2271+33.24

PROPOSED SWALE

CONSTRUCTION LIMITS (TYP)

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I-70 ROADWAY DRAINAGE PLAN STA 2266+00 TO 2280+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 26 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 308

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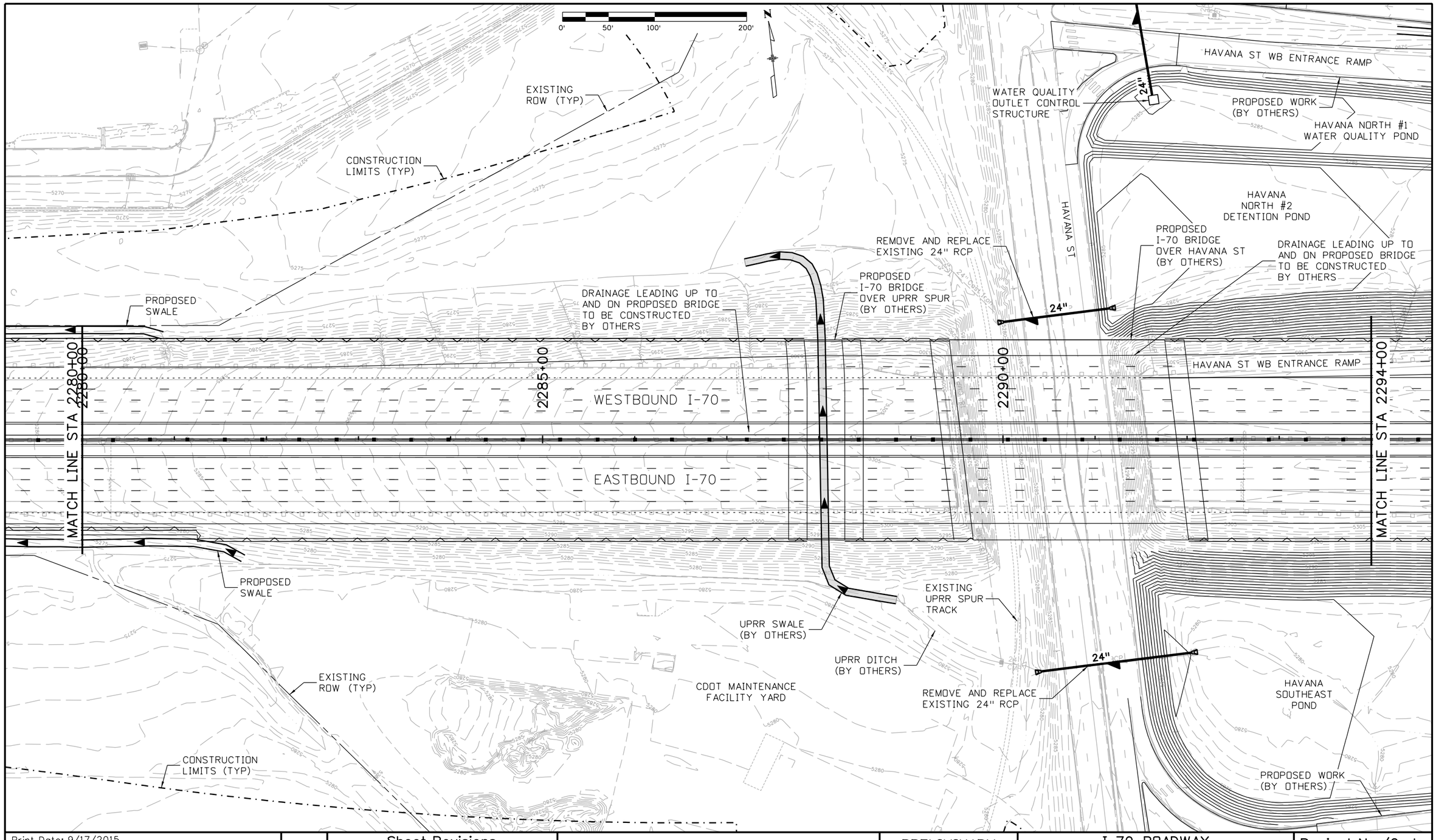

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I-70 ROADWAY DRAINAGE PLAN STA 2280+00 TO 2294+00		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
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Sheet Subset: Hydr Plan	Subset Sheets: 27 of	Sheet Number 309

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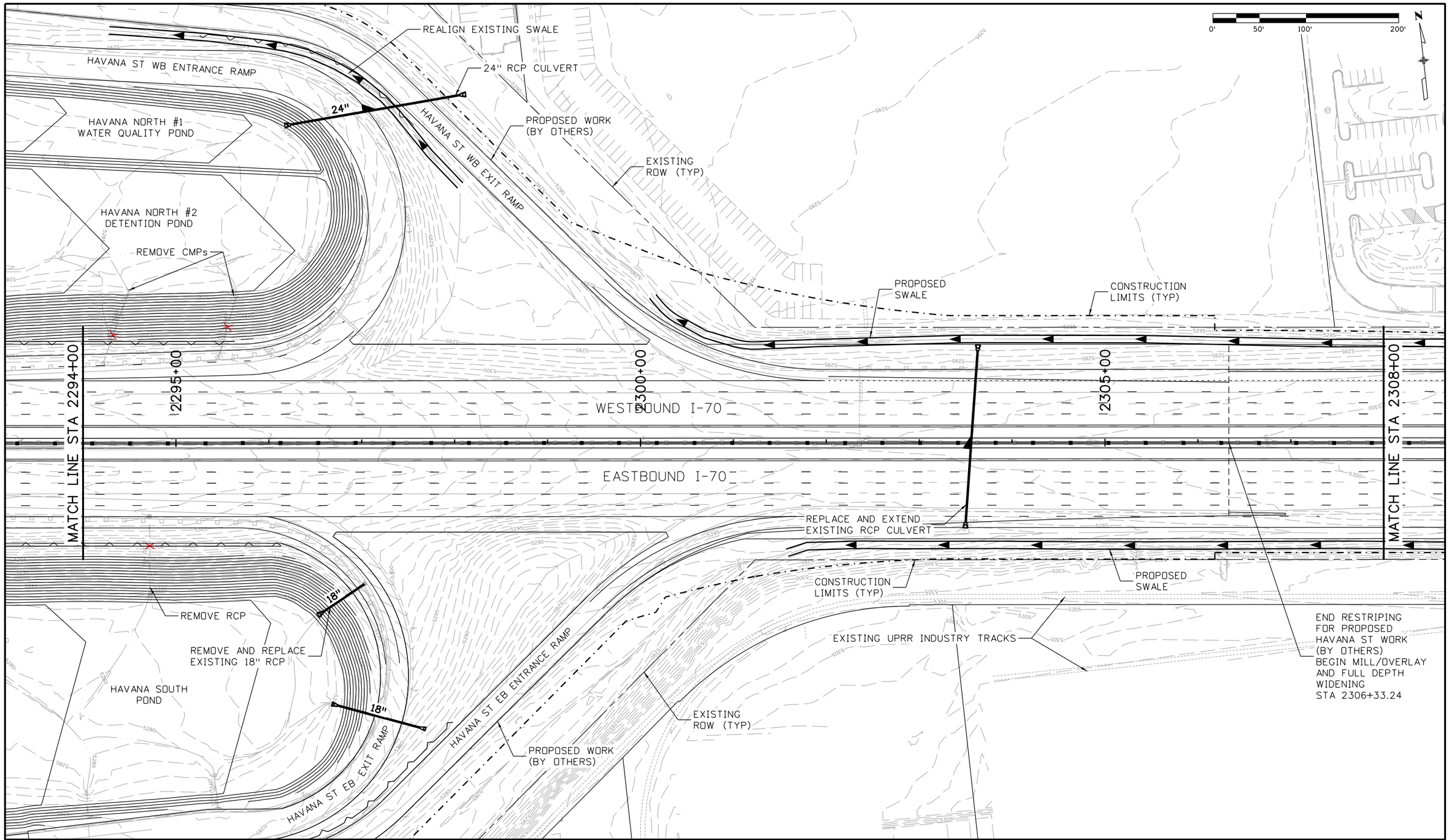

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Horiz. Scale: 1:100 Vert. Scale: As Noted			
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I-70 ROADWAY
DRAINAGE PLAN
STA 2294+00 TO 2308+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 28 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 310

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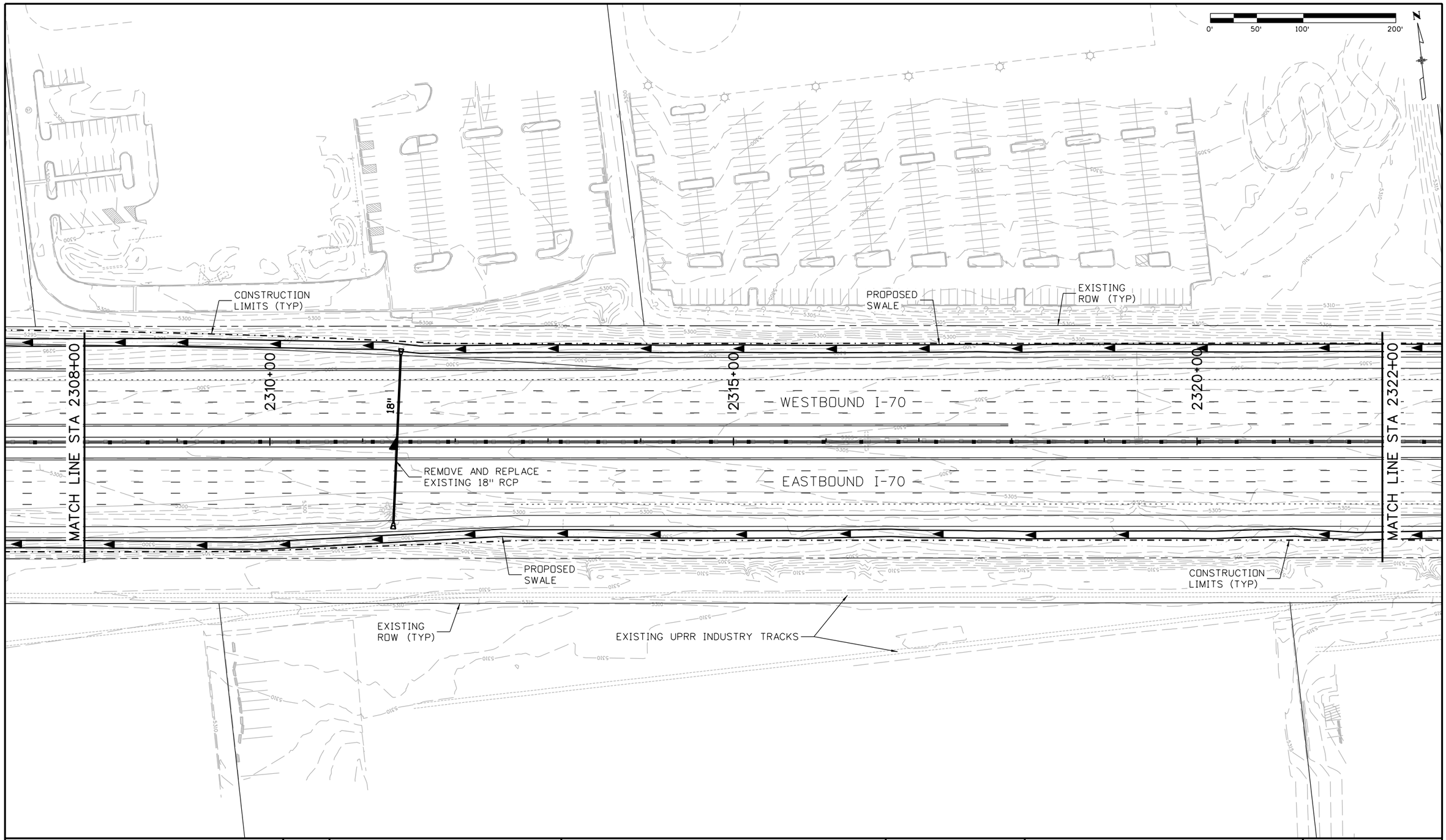

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I-70 ROADWAY DRAINAGE PLAN STA 2308+00 TO 2322+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 29 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 311

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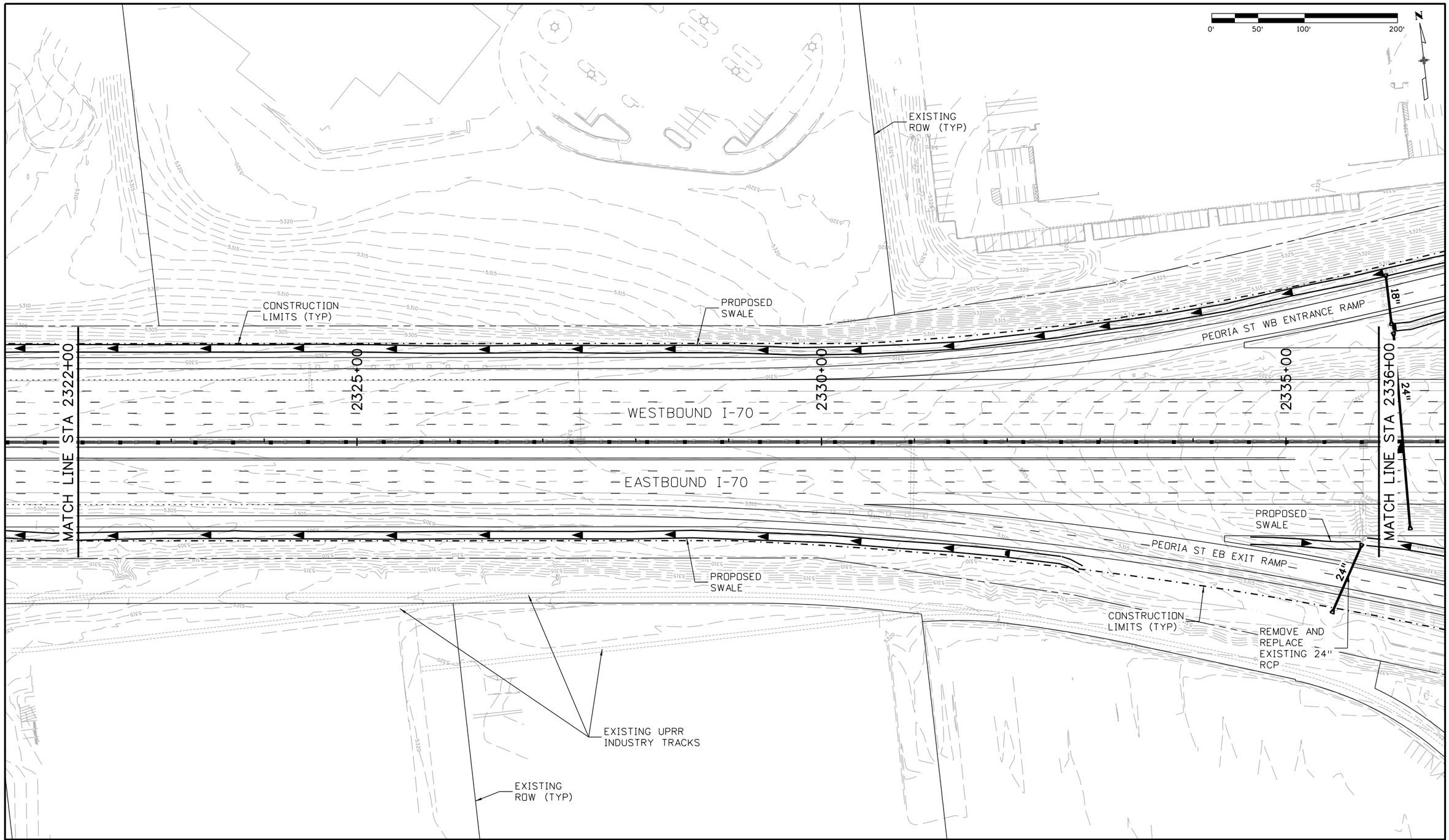

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File Name: 13599HYDR_Procurement_Plan 30_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
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I-70 ROADWAY DRAINAGE PLAN STA 2322+00 TO 2336+00		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
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Sheet Subset: Hydr Plan	Subset Sheets: 30 of 58	Sheet Number 312

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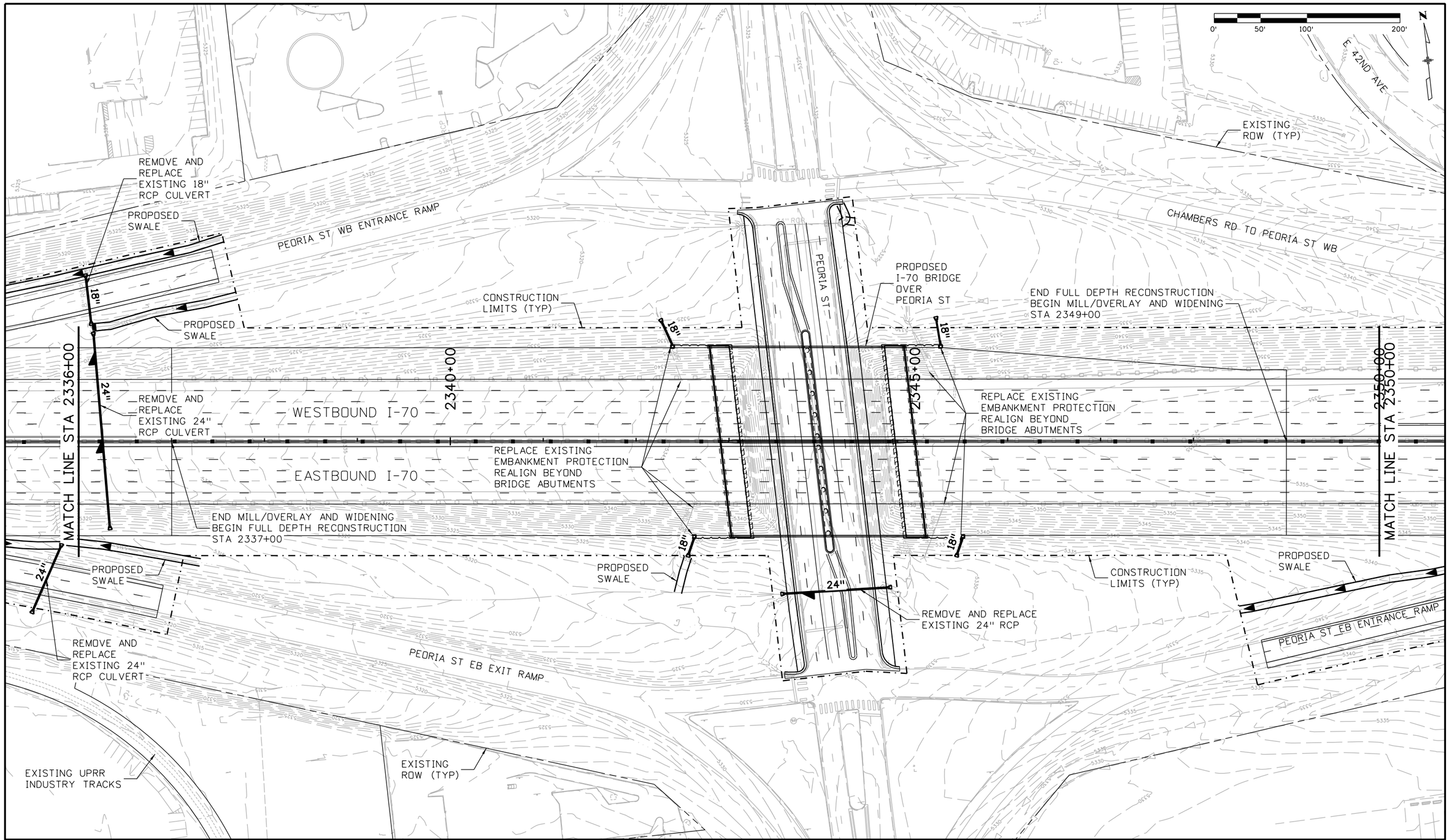

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Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
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I-70 ROADWAY DRAINAGE PLAN STA 2336+00 TO 2350+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 31 of 58

Project No./Code: FBR 0704-234

19631

Sheet Number 313

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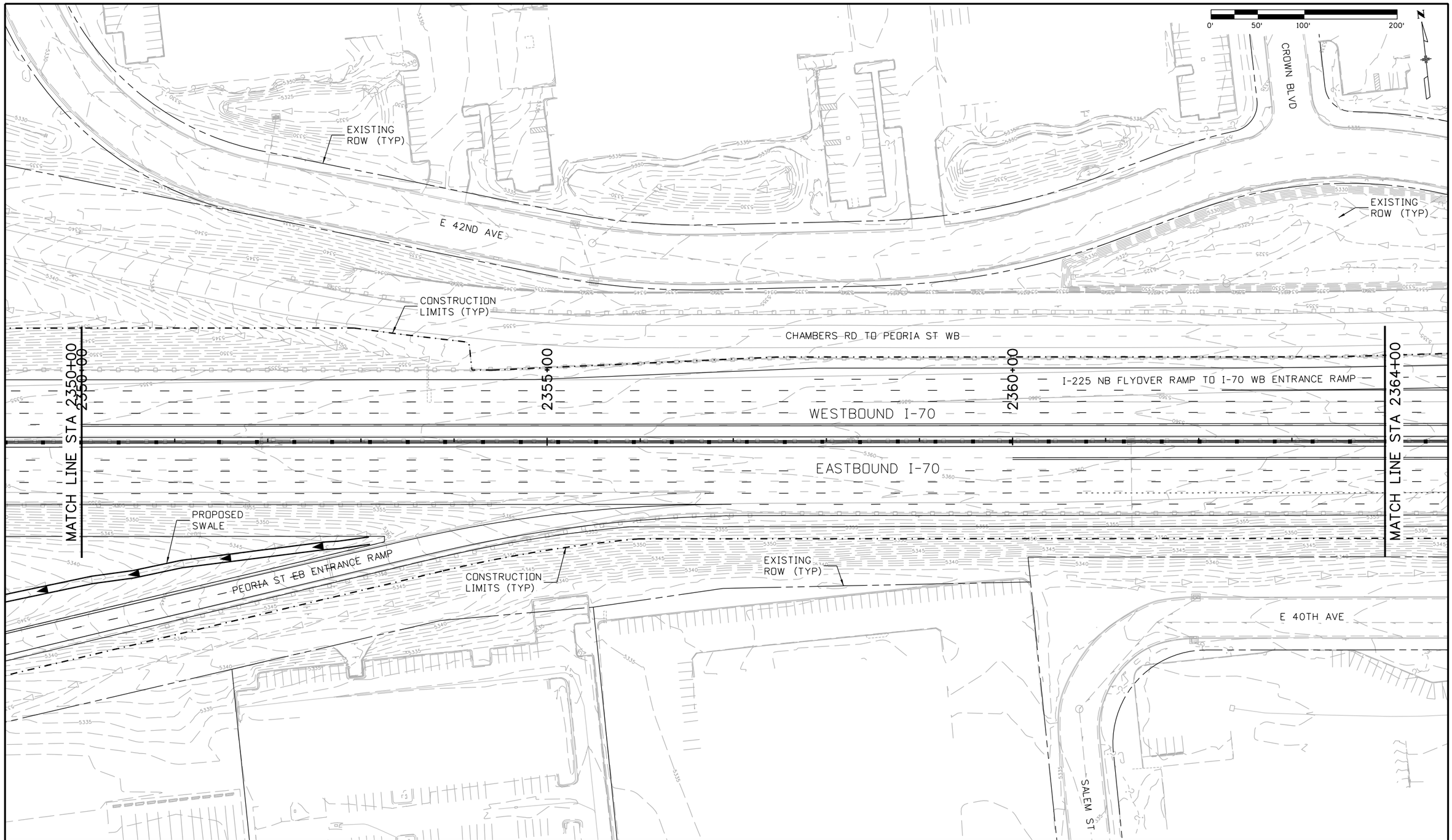

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Horiz. Scale: 1:100 Vert. Scale: As Noted			
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I-70 ROADWAY DRAINAGE PLAN STA 2350+00 TO 2364+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 32 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 314

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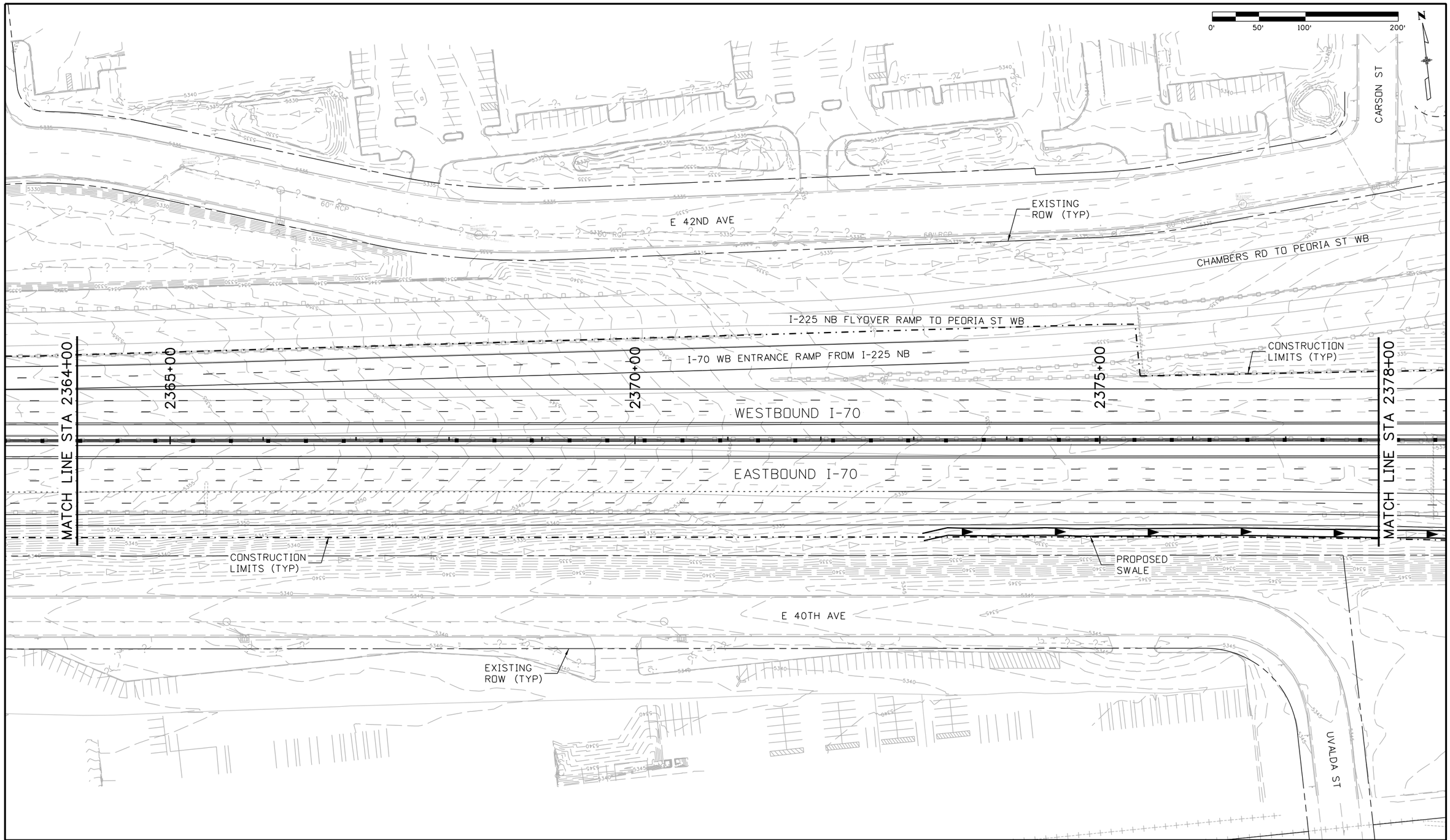

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I-70 ROADWAY DRAINAGE PLAN STA 2364+00 TO 2378+00

Designer:

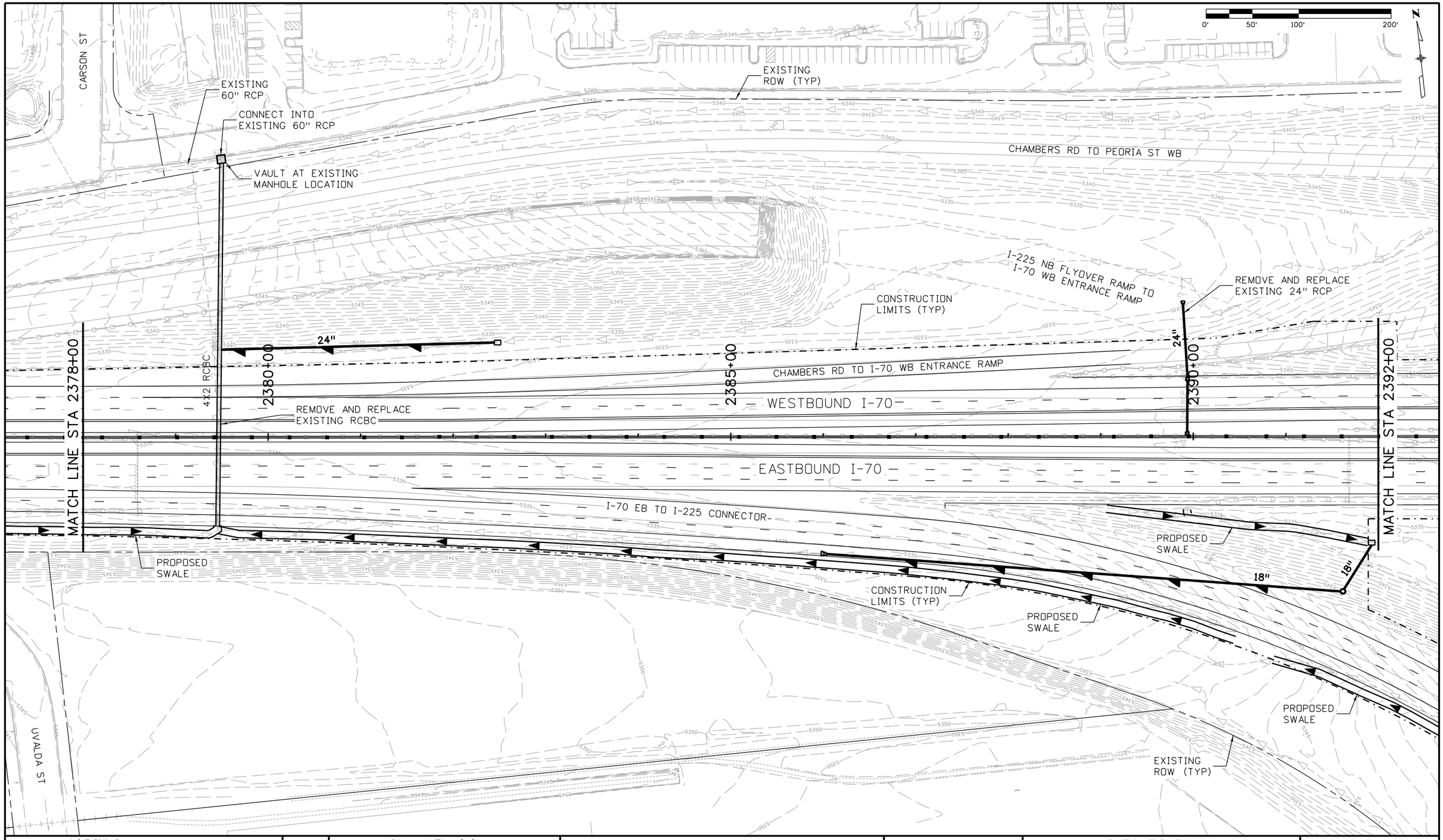
Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 33 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 315



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Unit Information Unit Leader Initials			
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PRELIMINARY

No Revisions:

Revised:

Void:

I-70 ROADWAY DRAINAGE PLAN STA 2378+00 TO 2392+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 34 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 316

0' 50' 100' 200'

N

EXISTING ROW (TYP)

PEORIA ST WB TO CHAMBERS RD

CHAMBERS RD TO I-70 WB ENTRANCE RAMP

CONSTRUCTION LIMITS (TYP)

PROPOSED SWALE

MATCH LINE STA 2392+00

2395+00

2400+00

2405+00

MATCH LINE STA 2406+00

WESTBOUND I-70

36"

REMOVE AND REPLACE 36" RCP

EASTBOUND I-70

REMOVE AND REPLACE 24" RCP

24"

18"

PROPOSED SWALE

CONSTRUCTION LIMITS (TYP)

I-70 EB TO I-225 SB CONNECTOR

I-225 NB FLYOVER RAMP TO I-70 WB ENTRANCE RAMP

I-70 WB FLYOVER TO I-225 SB FLYOVER RAMP

I-70 EB ENTRANCE RAMP FROM I-225 NB FLYOVER RAMP

gain3182 2:42:21 PM S:\I70data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 35_Base_I-70.dgn

Print Date: 9/17/2015	
File Name: 13599HYDR_Procurement_Plan 35_Base_I-70.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

ATKINS
4601 DTC Boulevard, Suite 700
Denver, CO 80237
Phone: (303) 221-7275 Fax: (303) 221-7276

Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation
2000 South Holly Street
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY

No Revisions:

Revised:

Void:

I-70 ROADWAY DRAINAGE PLAN STA 2392+00 TO 2406+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

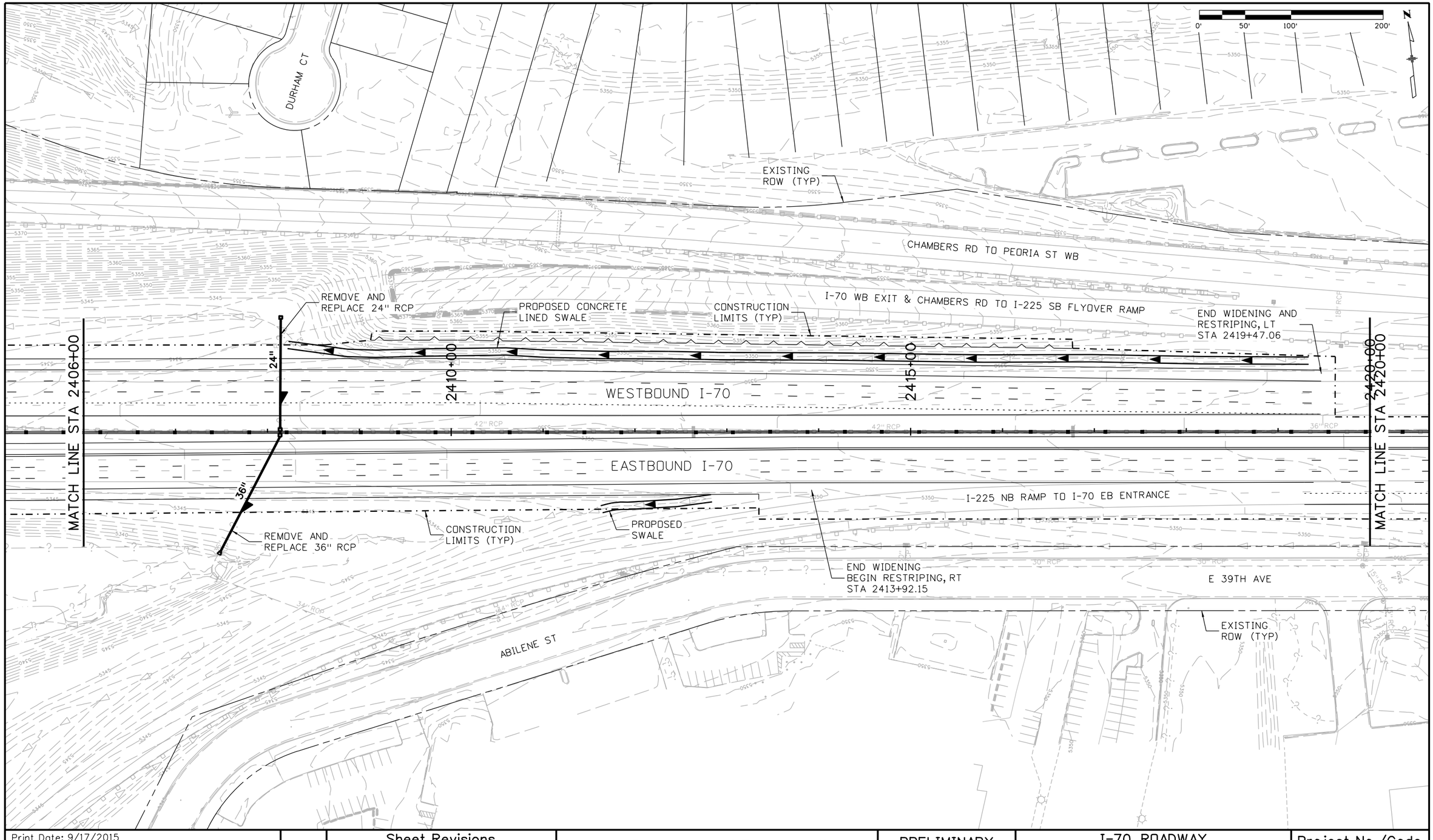
Subset Sheets: 35 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 317



Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	I-70 ROADWAY DRAINAGE PLAN STA 2406+00 TO 2420+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 36_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials		Region 1 KJS	Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276				Sheet Subset: Hydr Plan / Subset Sheets: 36 of 58	Sheet Number 318

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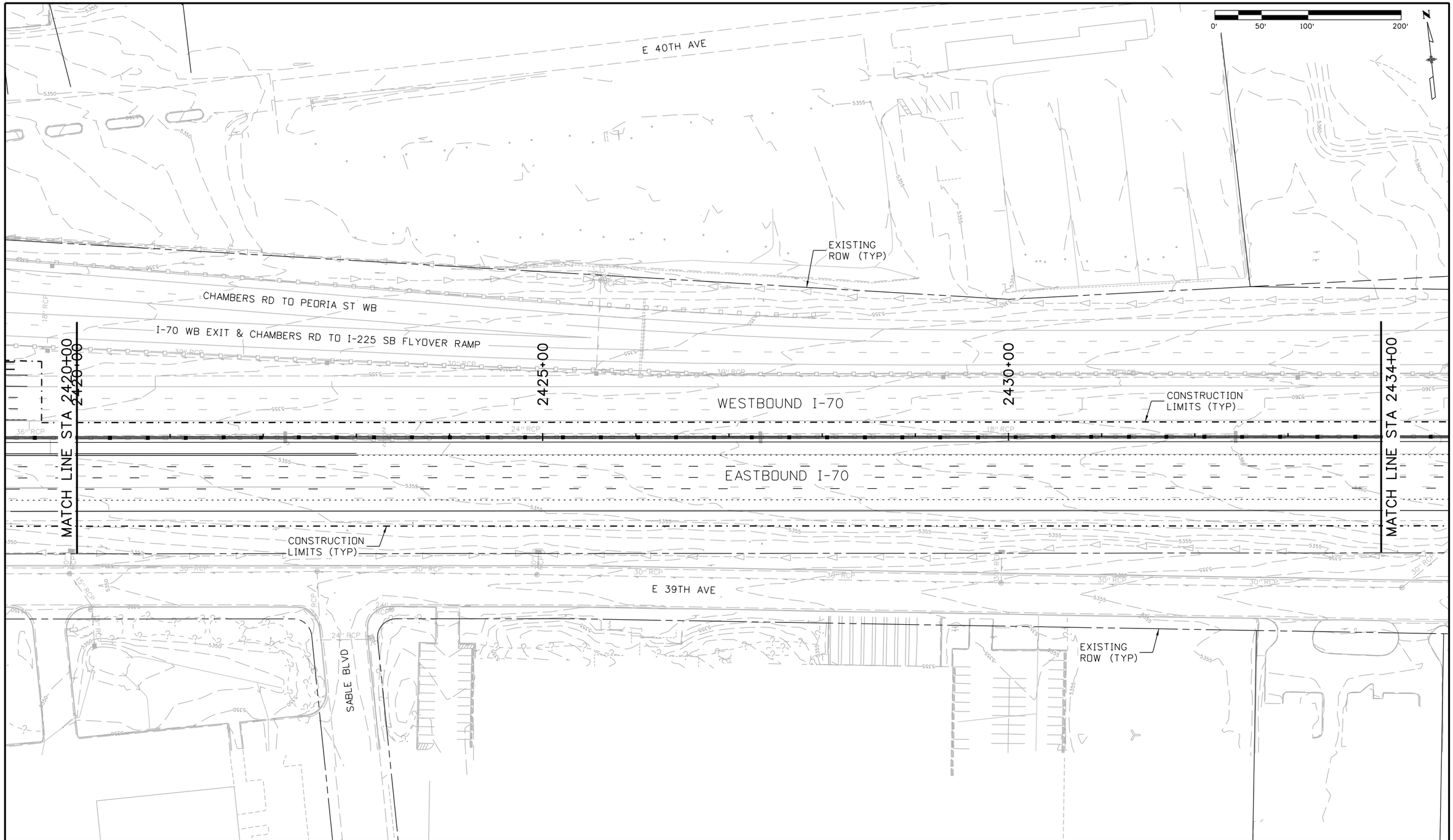

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 37_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY DRAINAGE PLAN STA 2420+00 TO 2434+00		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
Detailer:		19631
Sheet Subset: Hydr Plan	Subset Sheets: 37 of 58	Sheet Number 319

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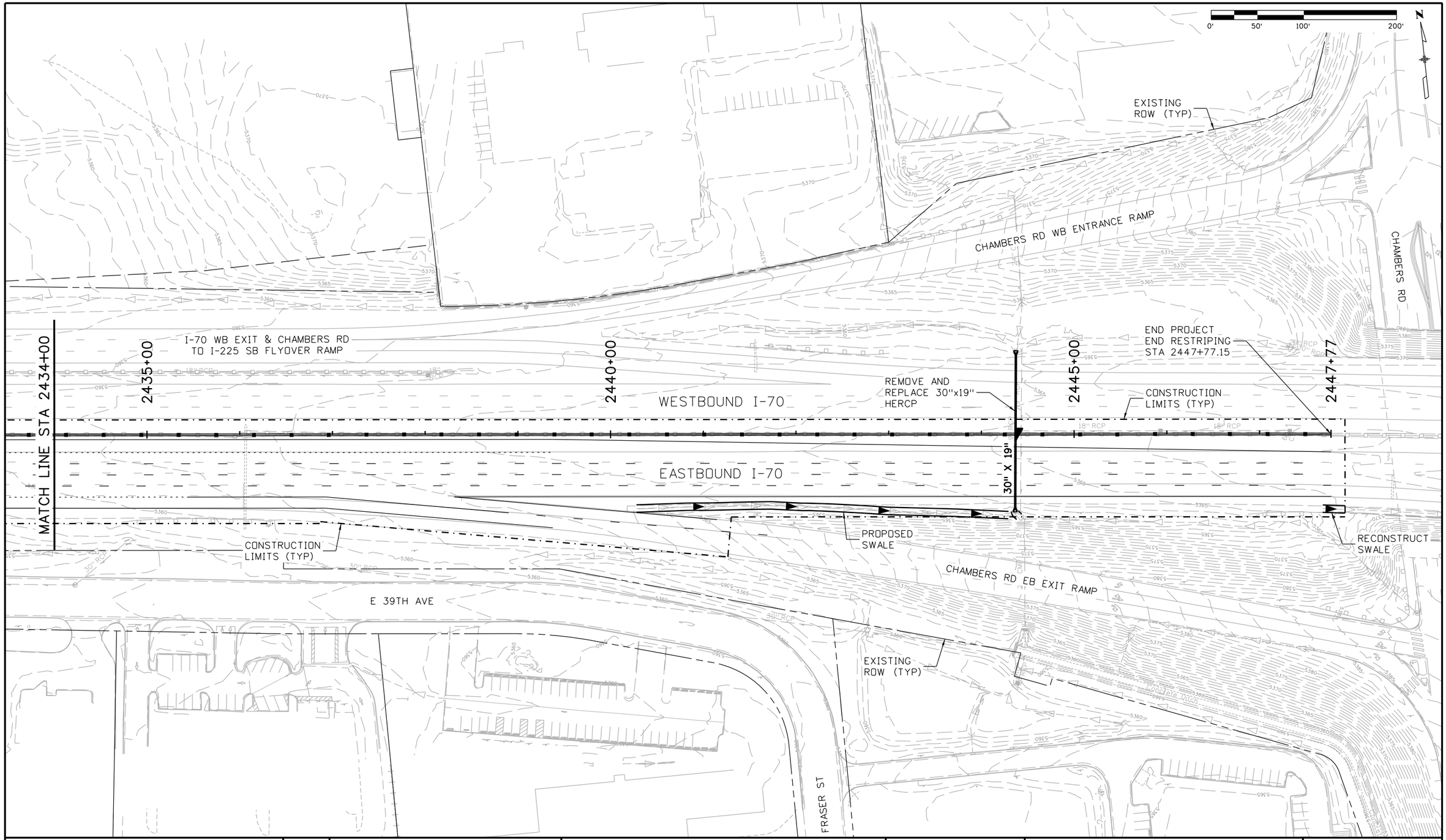

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 38_Base_I-70.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY DRAINAGE PLAN STA 2434+00 TO 2447+77.15

Designer:		Structure Numbers	
Detailer:			
Sheet Subset: Hydr Plan	Subset Sheets: 38 of 58		

Project No./Code: FBR 0704-234

19631

Sheet Number 320

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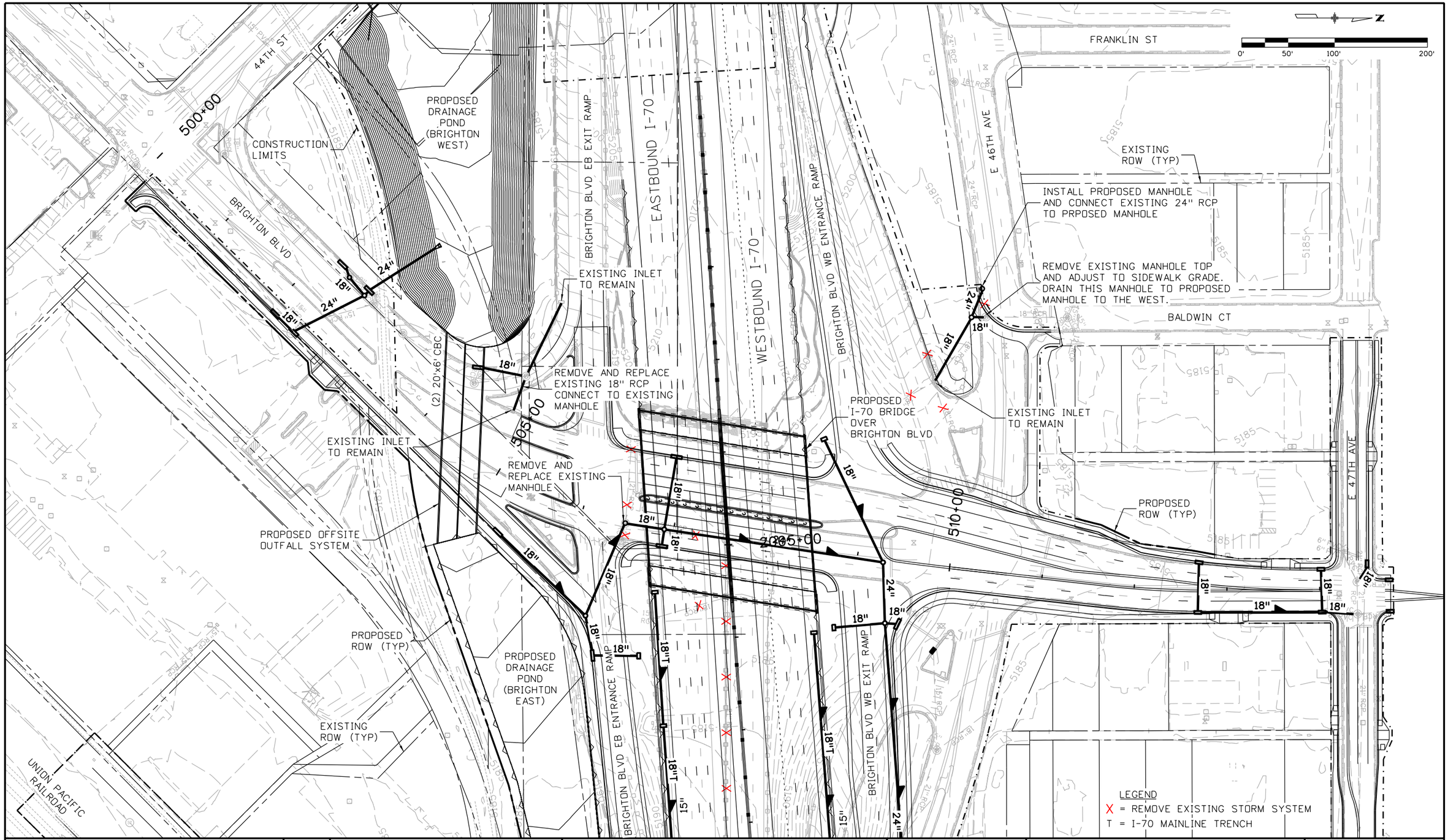

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation
File Name: 13599HYDR_Procurement_Plan 39_Base_Brighton Blvd.dgn	Date: / Comments / Init.	2000 South Holly Street, Denver, CO 80222
Horiz. Scale: 1:100 Vert. Scale: As Noted		Phone: 303-757-9934 FAX: 303-757-9907
Unit Information Unit Leader Initials		Region 1 KJS
ATKINS 4601 DTC Boulevard, Suite 700, Denver, CO 80237, Phone: (303) 221-7275 Fax: (303) 221-7276		

PRELIMINARY	BRIGHTON BLVD DRAINAGE PLAN STA 500+00 TO 514+76		Project No./Code
No Revisions:			FBR 0704-234
Revised:	Designer:	Structure Numbers	19631
Void:	Detailer:		Sheet Number 321
	Sheet Subset: Hydr Plan	Subset Sheets: 39 of 58	

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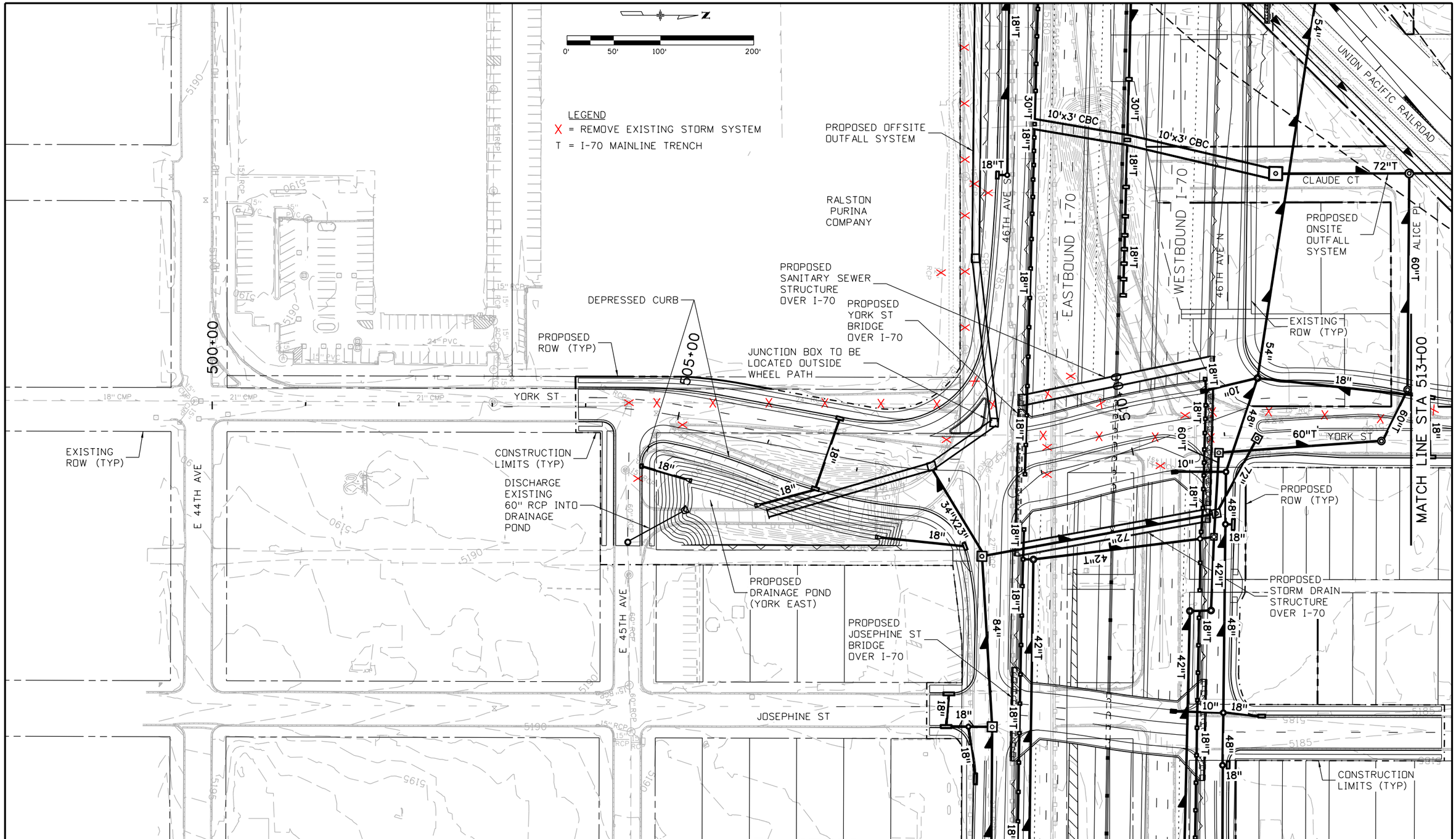

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	YORK STREET DRAINAGE PLAN STA 500+00 TO 513+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 40_Base_York St.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials		Region 1 KJS	Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276				Sheet Subset: Hydr Plan / Subset Sheets: 40 of 58	Sheet Number 322

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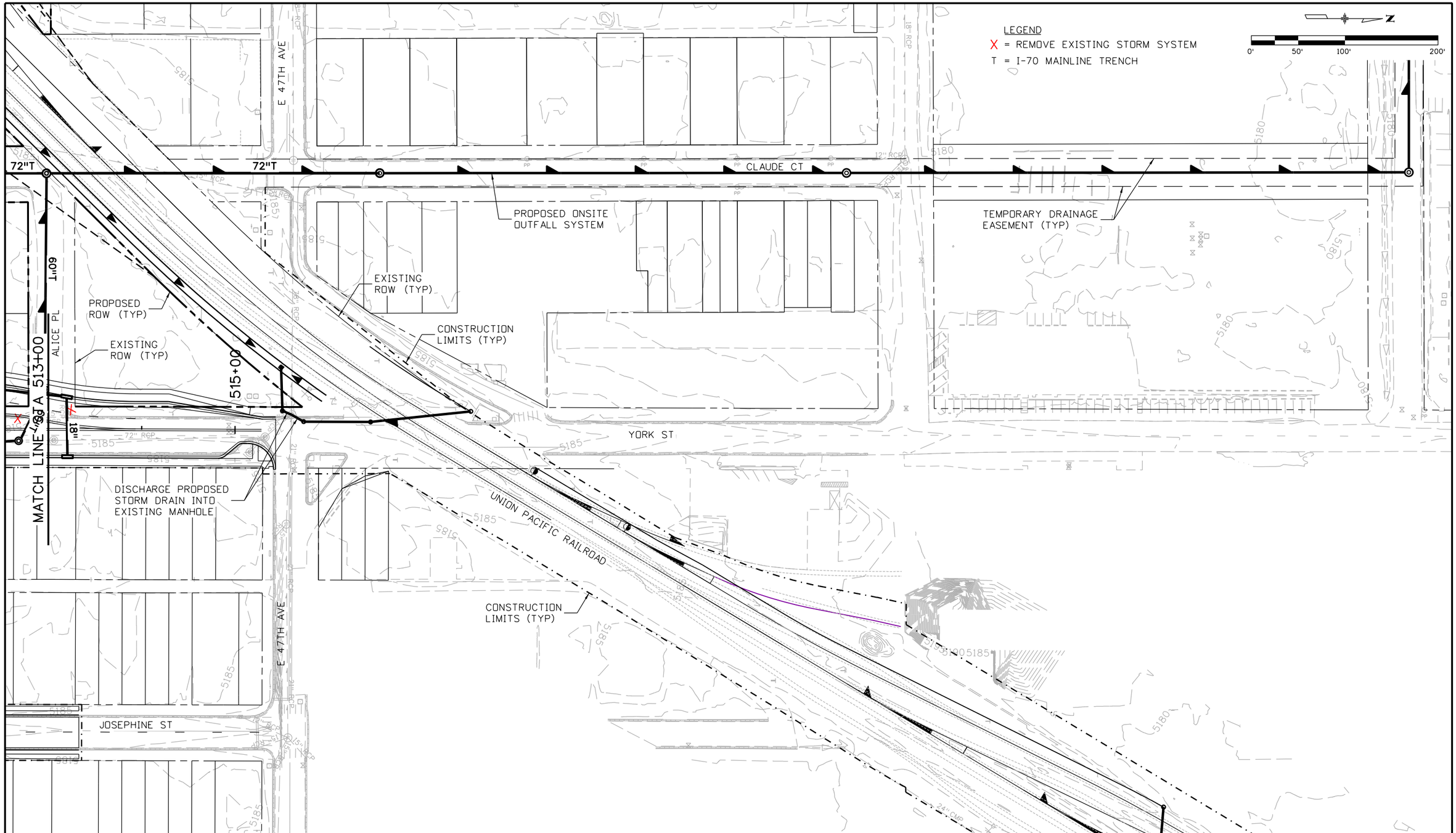

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	YORK STREET DRAINAGE PLAN STA 513+00 TO 515+43	Project No./Code
File Name: 13599HYDR_Procurement_Plan 41_Base_York St.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials			Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276		Region 1 KJS		Sheet Subset: Hydr Plan / Subset Sheets: 41 of 58	Sheet Number 323

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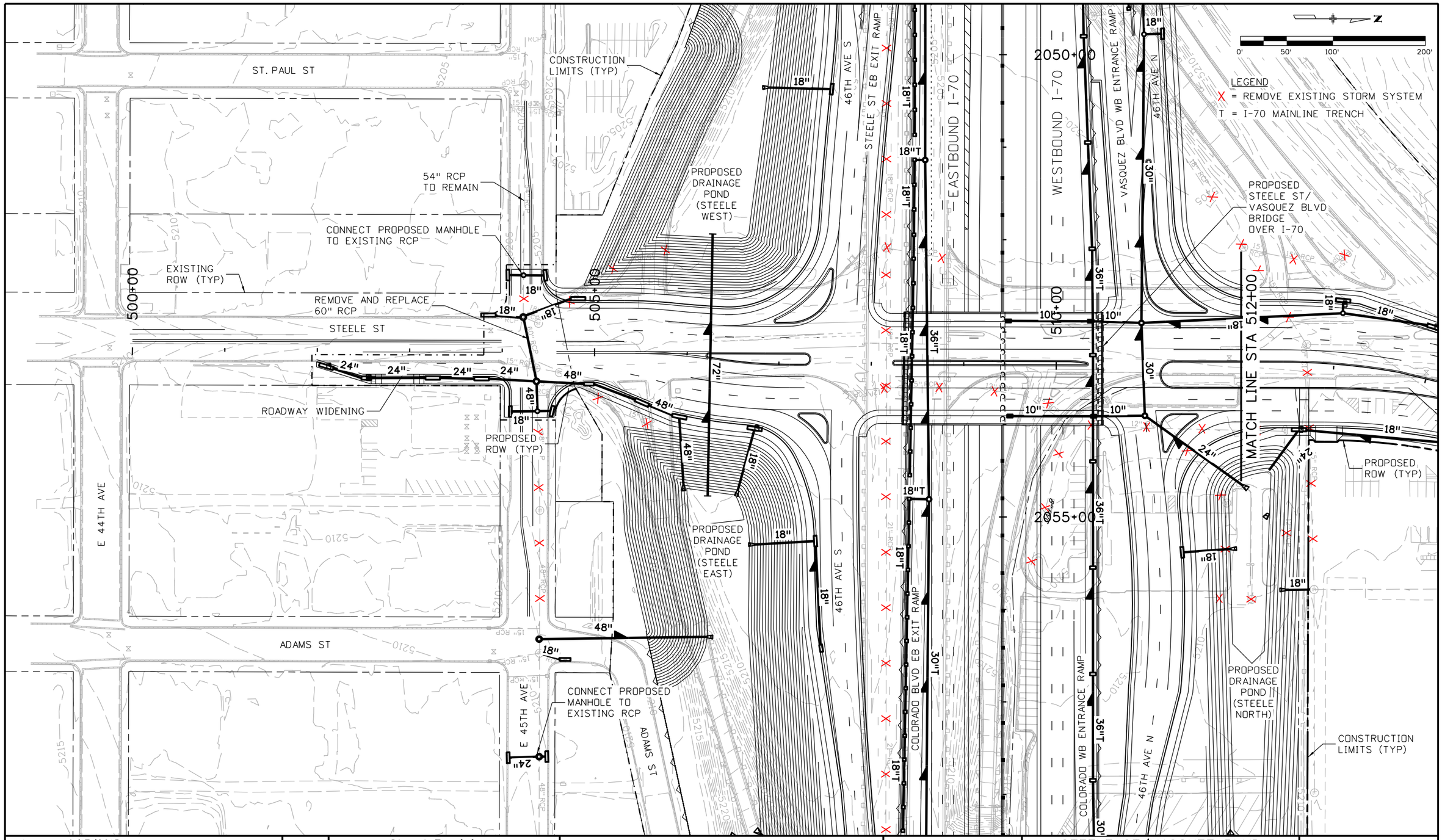

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Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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Region 1 KJS

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No Revisions:	
Revised:	
Void:	

STEELE ST/VASQUEZ BLVD
DRAINAGE PLAN
STA 500+00 TO 512+00

Designer:	Structure Numbers	
Detailer:		
Sheet Subset: Hydr Plan	Subset Sheets: 42 of 58	

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	324

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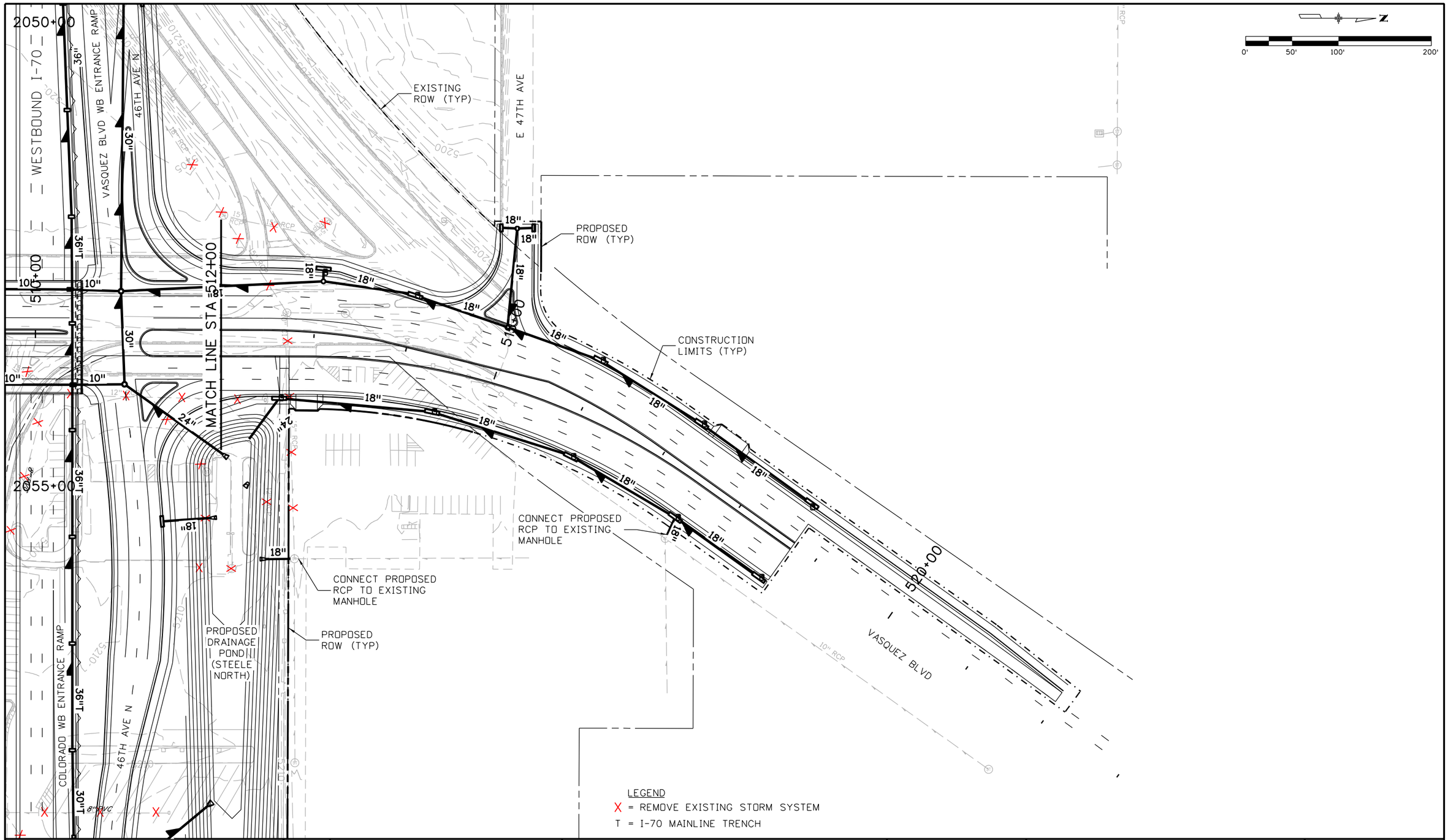

Print Date: 9/17/2015
File Name: 13599HYDR_Procurement_Plan 43_Base_Steele-Vasquez.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
Unit Information Unit Leader Initials

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4601 DTC Boulevard, Suite 700
Denver, CO 80237
Phone: (303) 221-7275 Fax: (303) 221-7276

Sheet Revisions		
Date:	Comments	Init.

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2000 South Holly Street
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

STEELE ST/VASQUEZ BLVD
DRAINAGE PLAN
STA 512+00 TO 523+65.79

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 43 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 325

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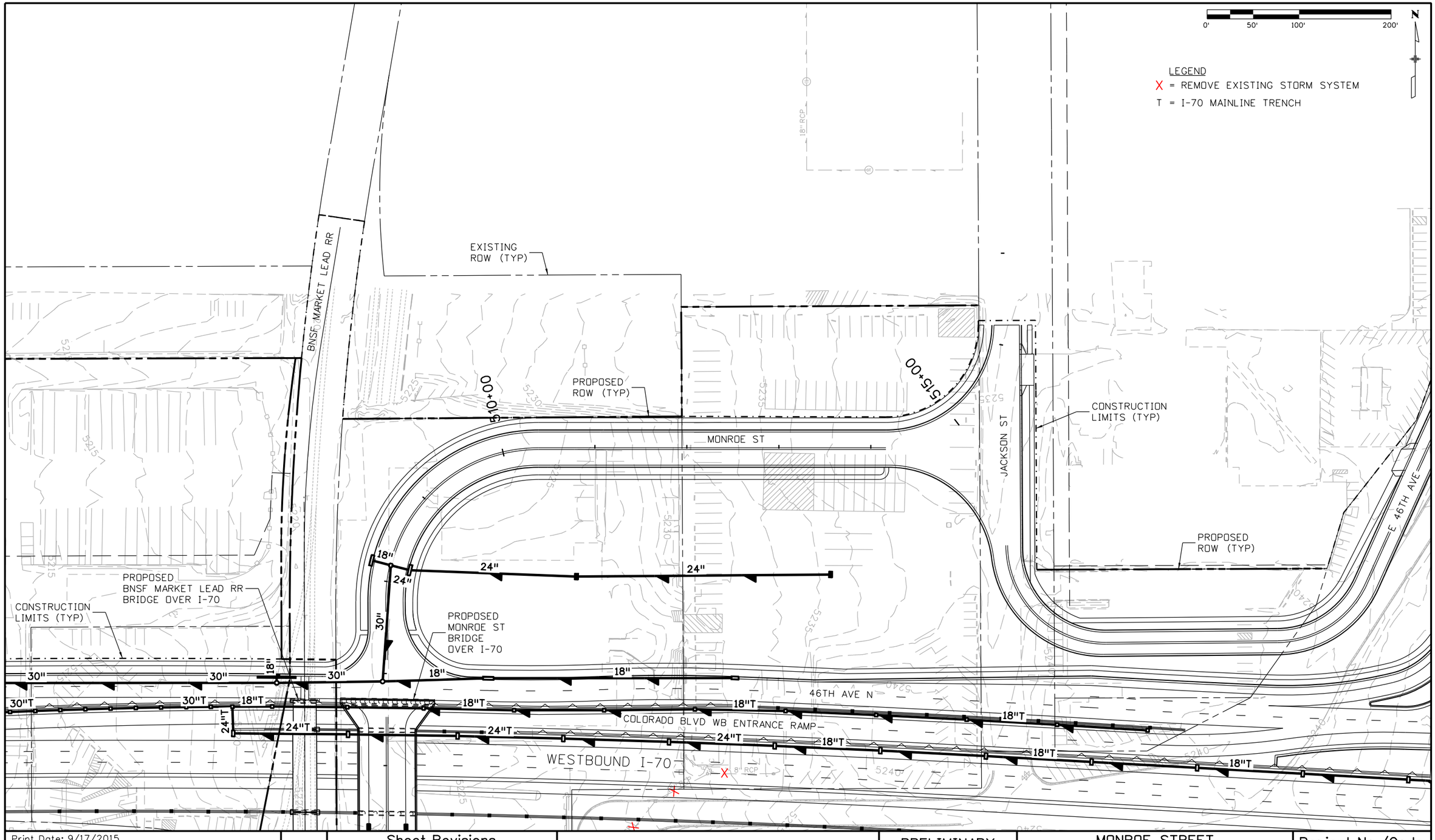

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 44_Base_Monroe St.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

MONROE STREET DRAINAGE PLAN STA 508+00 TO 517+23.02		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
Detailer:		19631
Sheet Subset: Hydr Plan	Subset Sheets: 44 of 58	Sheet Number 326

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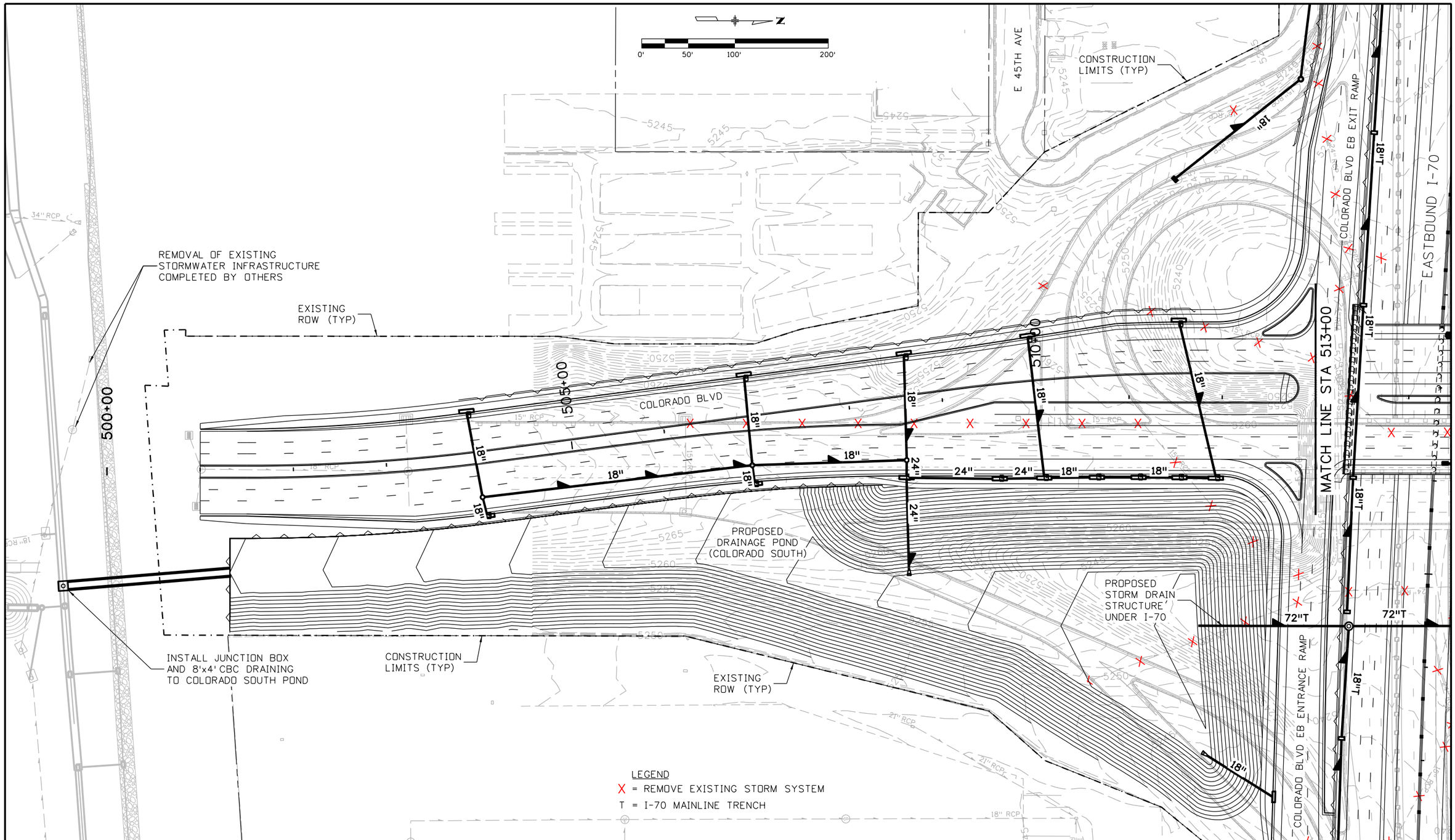

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY	COLORADO BLVD DRAINAGE PLAN STA 500+00 TO 513+00	Project No./Code
File Name: 13599HYDR_Procurement_Plan 45_Base_Colorado Blvd.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:		FBR 0704-234
Horiz. Scale: 1:100 Vert. Scale: As Noted			Revised:	Designer: / Structure Numbers	19631
Unit Information Unit Leader Initials		Region 1 KJS	Void:	Detailer:	
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276				Sheet Subset: Hydr Plan / Subset Sheets: 45 of 58	Sheet Number 327

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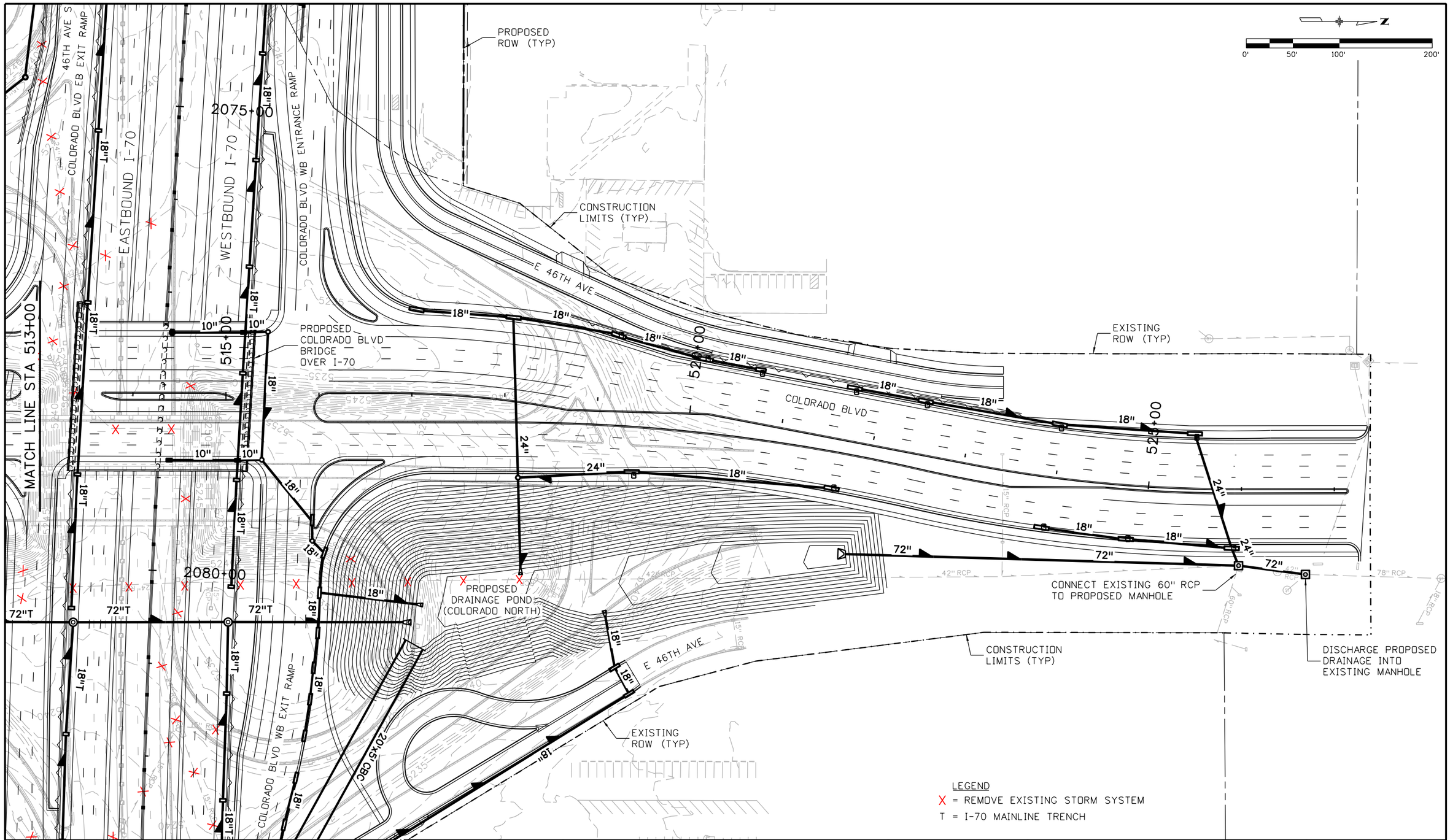

Print Date: 9/17/2015	Sheet Revisions		
File Name: 13599HYDR_Procurement_Plan 46_Base_Colorado Blvd.dgn	Date:	Comments	Init.
Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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2000 South Holly Street
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY

No Revisions:

Revised:

Void:

COLORADO BLVD DRAINAGE PLAN STA 513+00 TO 527+33

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 46 of 58

Project No./Code: FBR 0704-234

19631

Sheet Number 328

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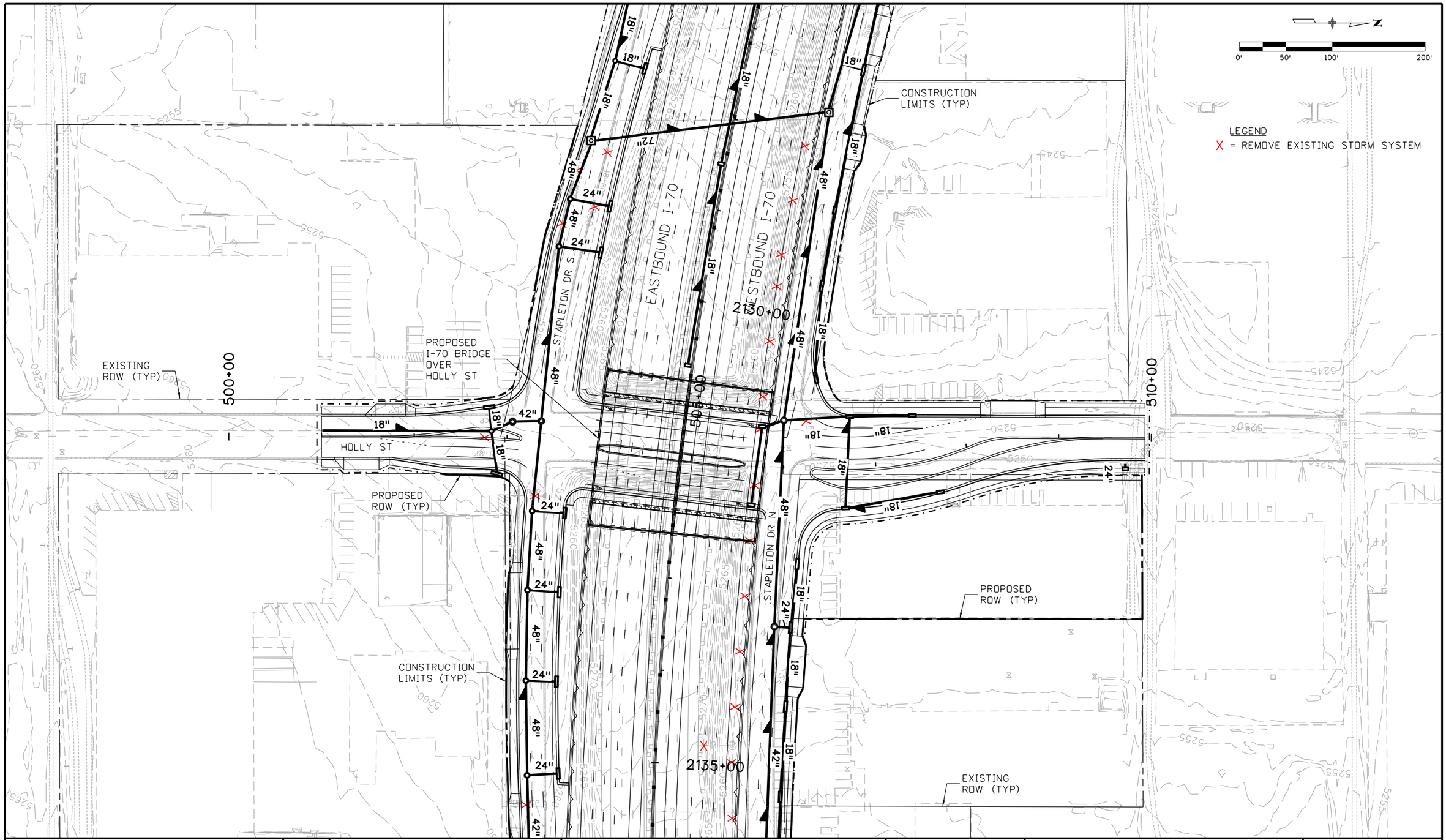

Print Date: 9/17/2015	Sheet Revisions		
File Name: 13599HYDR_Procurement_Plan 47_Base_Holly St.dgn	Date:	Comments	Init.
Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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2000 South Holly Street
Denver, CO 80222
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Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

HOLLY STREET
DRAINAGE PLAN
STA 500+00 TO 510+93.00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 47 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 329

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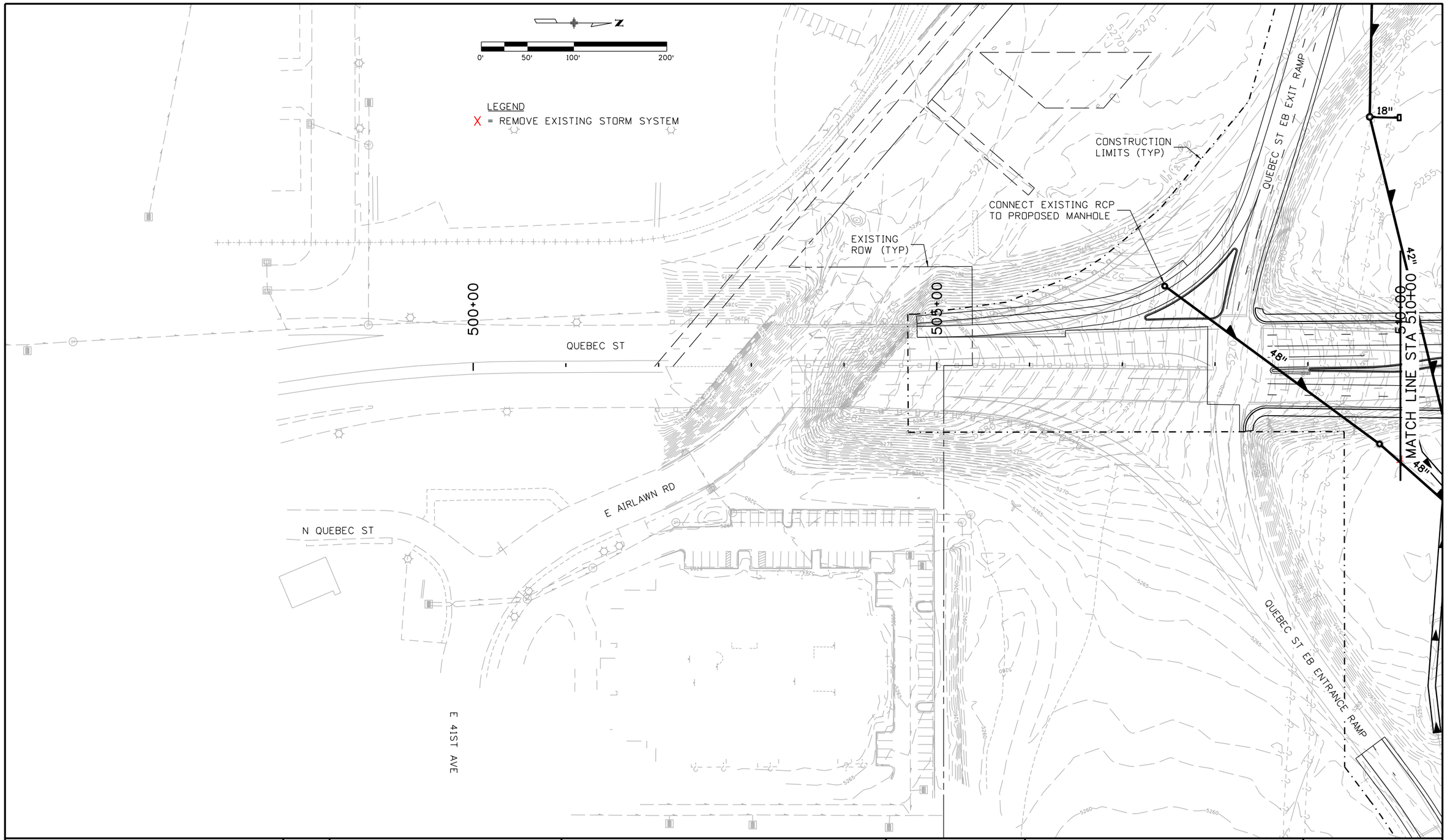

Print Date: 9/17/2015	Sheet Revisions		
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Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

QUEBEC STREET
DRAINAGE PLAN
STA 500+00 TO 510+00

Designer:
Detailer:
Structure Numbers
Sheet Subset: Hydr Plan
Subset Sheets: 48 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 330

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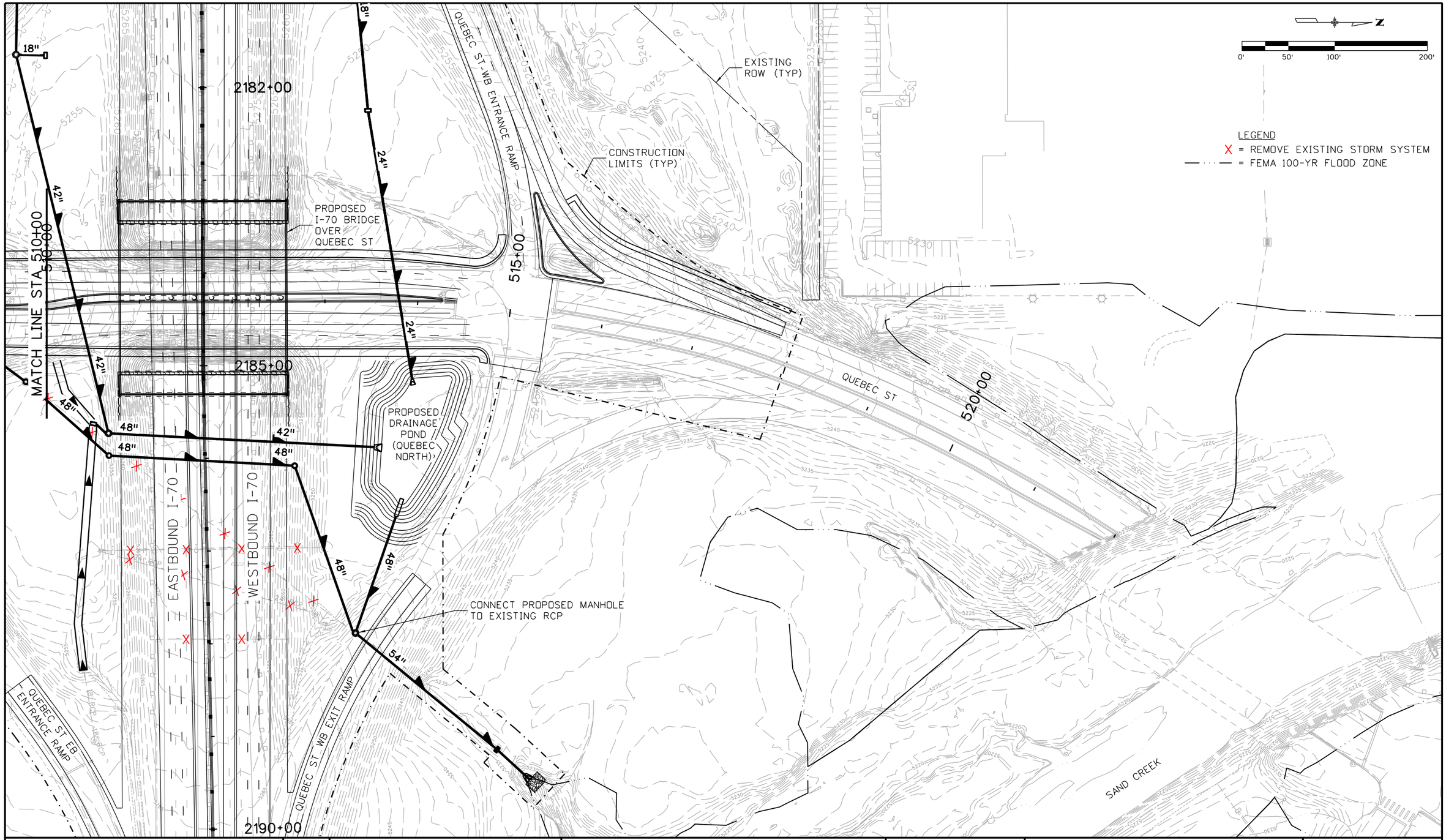

Print Date: 9/17/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 49_Base_Quebec St.dgn	Date: / Comments / Init.	2000 South Holly Street Denver, CO 80222 Phone: 303-757-9934 FAX: 303-757-9907	No Revisions:
Horiz. Scale: 1:100 Vert. Scale: As Noted		Region 1 KJS	Revised:
Unit Information Unit Leader Initials			Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

QUEBEC STREET DRAINAGE PLAN STA 510+00 TO 522+66		Project No./Code
		FBR 0704-234
Designer:	Structure Numbers	19631
Detailer:		
Sheet Subset: Hydr Plan	Subset Sheets: 49 of 58	Sheet Number 331

gain3182 2:43:15 PM S:\I70Data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 49_Base_Quebec St.dgn

EXISTING ROW (TYP)

PEORIA ST WB TO CHAMBERS RD

I-225 NB FLYOVER RAMP TO I-70 WB ENTRANCE RAMP

CHAMBERS RD TO I-70 WB ENTRANCE RAMP

CONSTRUCTION LIMITS (TYP)

WESTBOUND I-70

EASTBOUND I-70

REMOVE AND REPLACE 24" RCP

24" RCP

18" RCP

PROPOSED SWALE

CONSTRUCTION LIMITS (TYP)

I-70 EB TO I-225 SB CONNECTOR

EXISTING ROW (TYP)

PROPOSED SWALE

HIGH POINT

MATCH LINE STA 209+00

MATCH LINE STA 221+00

210+00

215+00

220+00

235+00

239+00

239+50

0' 50' 100' 200'

N

LEGEND

X = REMOVE EXISTING STORM SYSTEM

Print Date: 9/17/2015

File Name: 13599HYDR_Procurement_Plan 50_Base_I-70 EB to I-225 SB GP.dgn

Horiz. Scale: 1:100 Vert. Scale: As Noted

Unit Information Unit Leader Initials

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4601 DTC Boulevard, Suite 700
Denver, CO 80237
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Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation
2000 South Holly Street
Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

PRELIMINARY

No Revisions:

Revised:

Void:

I-70 EB TO I-225 SB CONNECTOR DRAINAGE PLAN STA 209+00 TO 221+00

Designer:

Detailer:

Sheet Subset: Hydr Plan

Structure Numbers

Subset Sheets: 50 of 58

Project No./Code

FBR 0704-234

19631

Sheet Number 332

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Print Date: 9/17/2015
File Name: 13599HYDR_Procurement_Plan 51_Base_I-70 EB to I-225 SB GP.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
Unit Information Unit Leader Initials

ATKINS
4601 DTC Boulevard, Suite 700
Denver, CO 80237
Phone: (303) 221-7275 Fax: (303) 221-7276

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
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Denver, CO 80222
Phone: 303-757-9934 FAX: 303-757-9907
Region 1 KJS

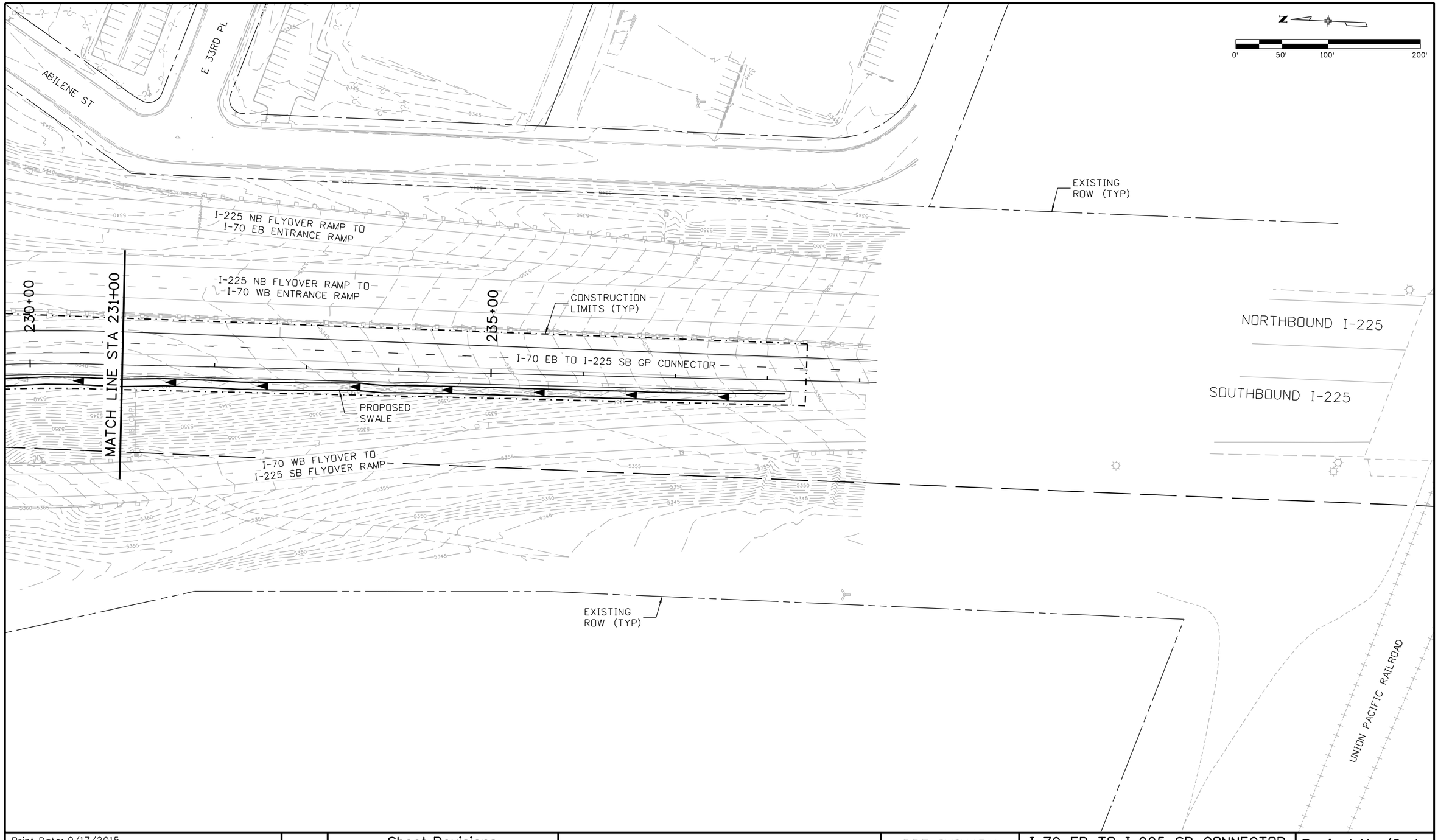
PRELIMINARY
No Revisions:
Revised:
Void:

I-70 EB TO I-225 SB CONNECTOR DRAINAGE PLAN
STA 221+00 TO 231+00

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 51 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 333

gain3182 2:43:24 PM S:\170Data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 51_Base_I-70 EB to I-225 SB GP.dgn



Print Date: 9/17/2015
File Name: 13599HYDR_Procurement_Plan 52_Base_I-70 EB to I-225 SB GP.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
Unit Information Unit Leader Initials

ATKINS
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Denver, CO 80237
Phone: (303) 221-7275 Fax: (303) 221-7276

Sheet Revisions		
Date:	Comments	Init.

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Denver, CO 80222
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Region 1 KJS

PRELIMINARY
No Revisions:
Revised:
Void:

I-70 EB TO I-225 SB CONNECTOR
DRAINAGE PLAN
STA 231+00 TO 239+18

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 52 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 334

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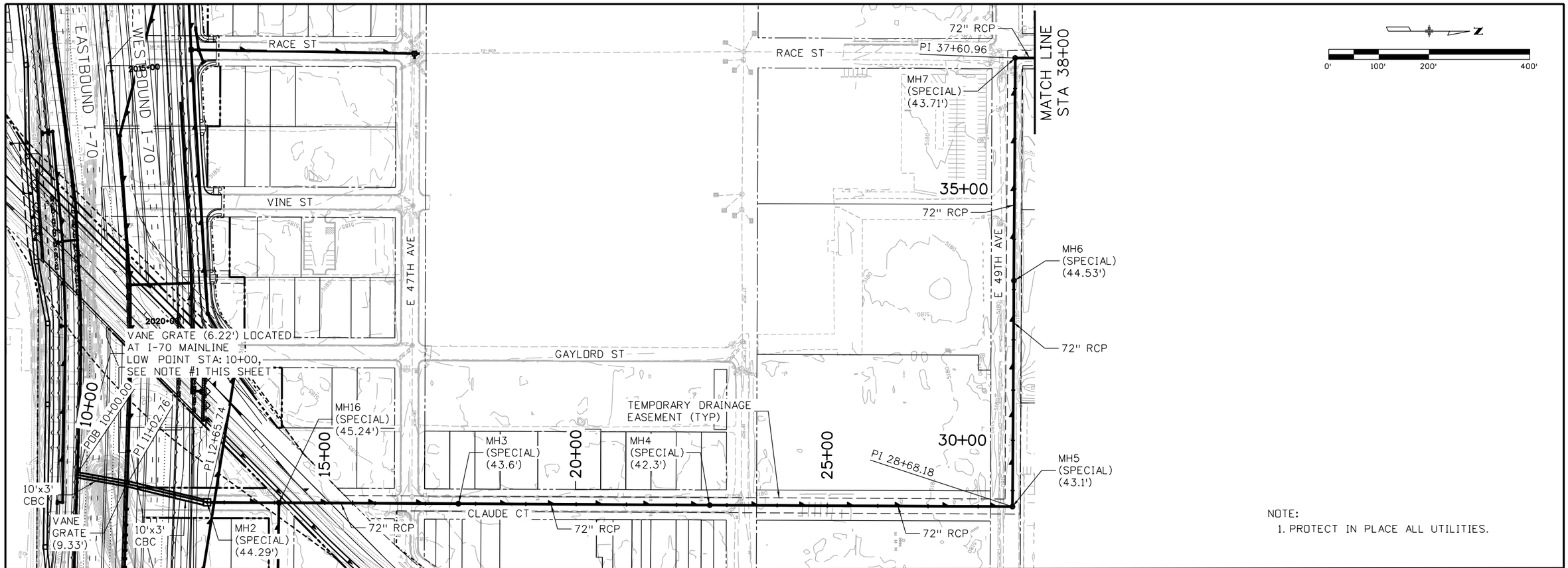
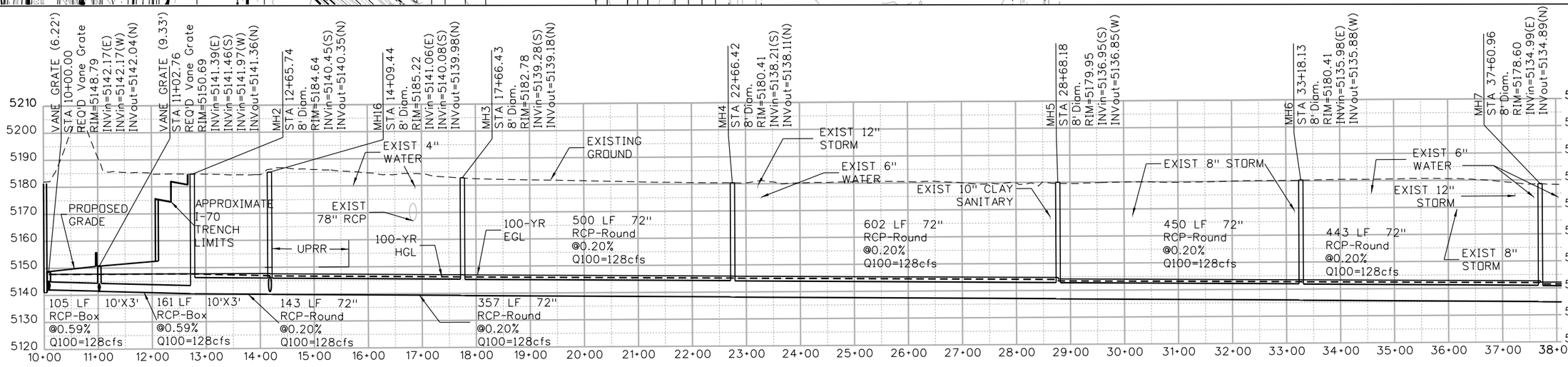


NOTE:
1. PROTECT IN PLACE ALL UTILITIES.



Print Date: 9/17/2015	Sheet Revisions		
File Name: 13599HYDR_Procurement_Plan 53_On-site Outfall.dgn	Date:	Comments	Init.
Horiz. Scale: 1:200 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
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No Revisions:
Revised:
Void:

I-70 ROADWAY
ONSITE DRAINAGE OUTFALL
PLAN AND PROFILE

Designer:
Detailer:
Sheet Subset: Hydr PnP
Structure Numbers
Subset Sheets: 53 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 335

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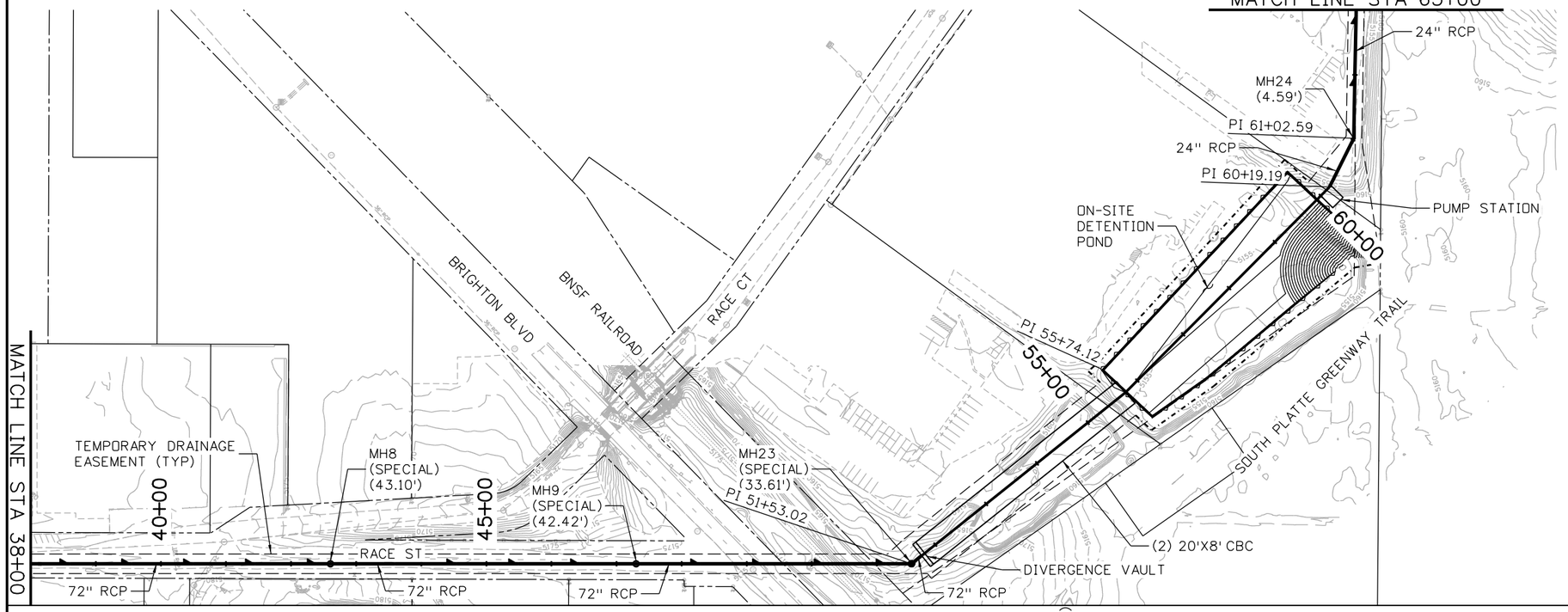
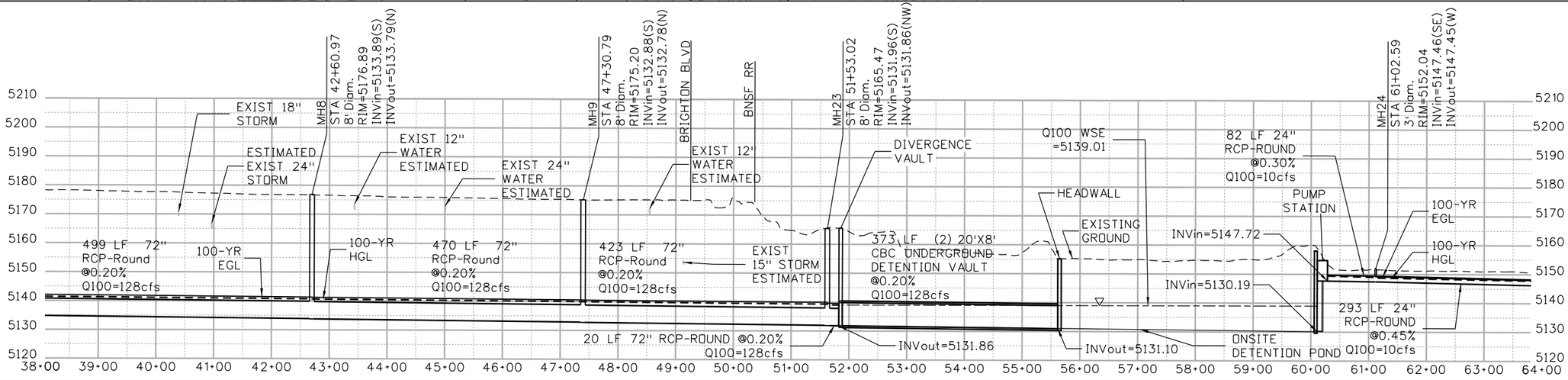


NOTE:
1. PROTECT IN PLACE ALL UTILITIES.



Print Date: 9/21/2015	Sheet Revisions	Colorado Department of Transportation	PRELIMINARY
File Name: 13599HYDR_Procurement_Plan 54_On-site Outfall.dgn	Date: / Comments / Init.	2000 South Holly Street, Denver, CO 80222	No Revisions:
Horiz. Scale: 1:200 Vert. Scale: As Noted		Phone: 303-757-9934 FAX: 303-757-9907	Revised:
Unit Information Unit Leader Initials		Region 1 KJS	Void:
ATKINS 4601 DTC Boulevard, Suite 700, Denver, CO 80237, Phone: (303) 221-7275 Fax: (303) 221-7276			

I-70 ROADWAY ONSITE DRAINAGE OUTFALL PLAN AND PROFILE		Project No./Code
Designer:	Structure Numbers	FBR 0704-234
Detailer:		19631
Sheet Subset: Hydr PnP	Subset Sheets: 54 of 58	Sheet Number 336

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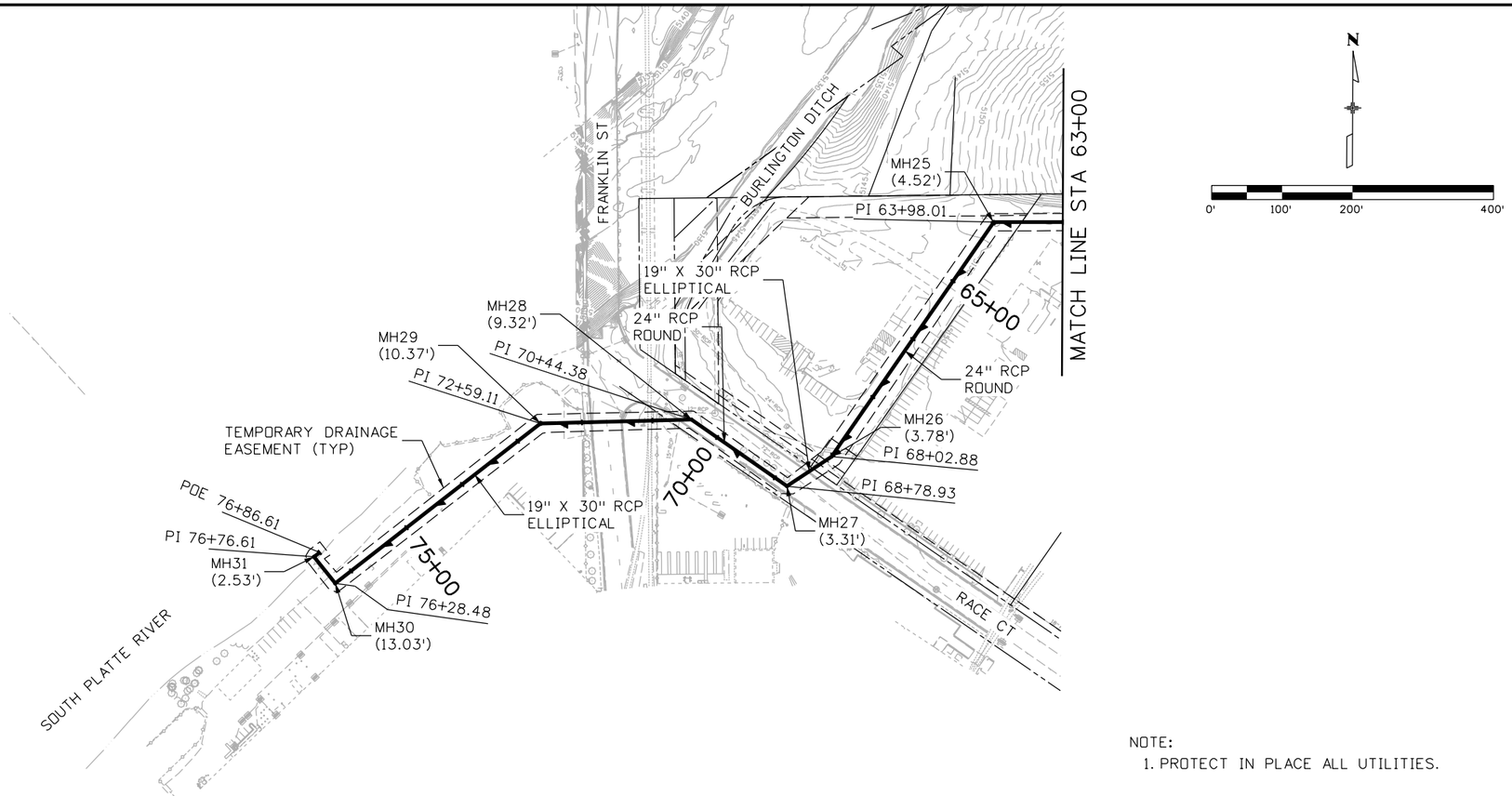

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Horiz. Scale: 1:200 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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I-70 ROADWAY ONSITE DRAINAGE OUTFALL PLAN AND PROFILE

Designer:
Detailer:
Sheet Subset: Hydr PnP
Structure Numbers:
Subset Sheets: 55 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 337

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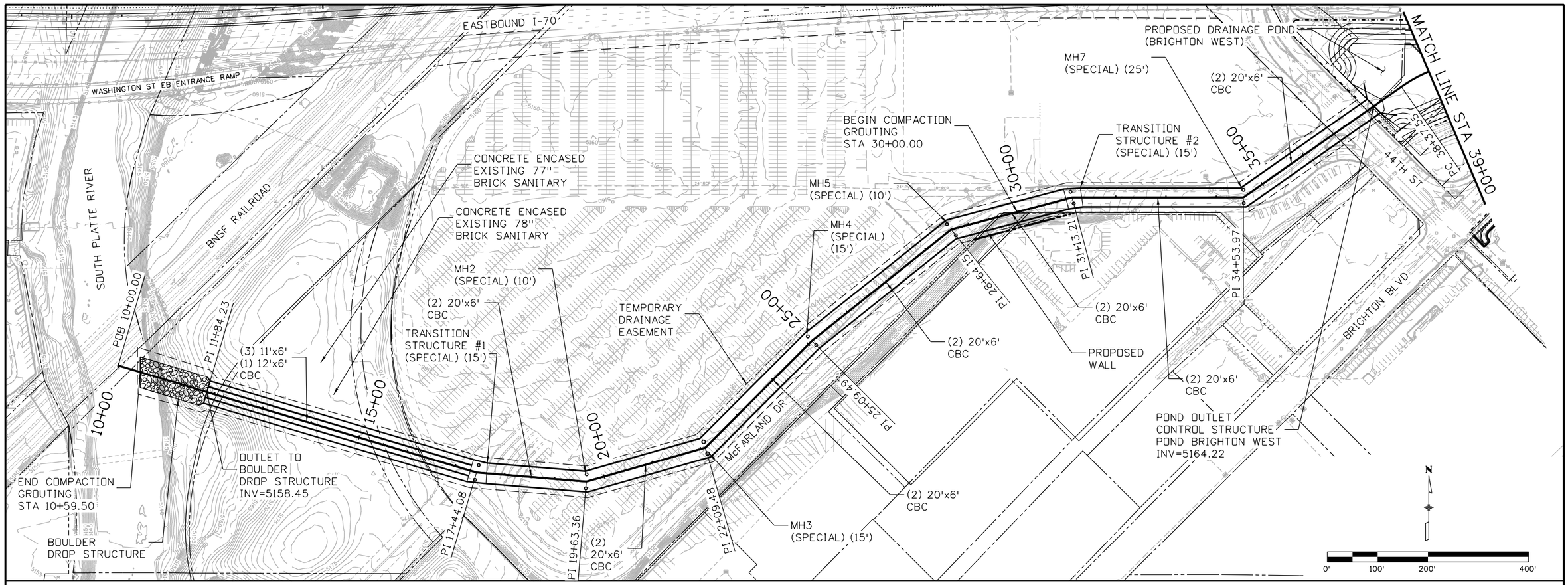

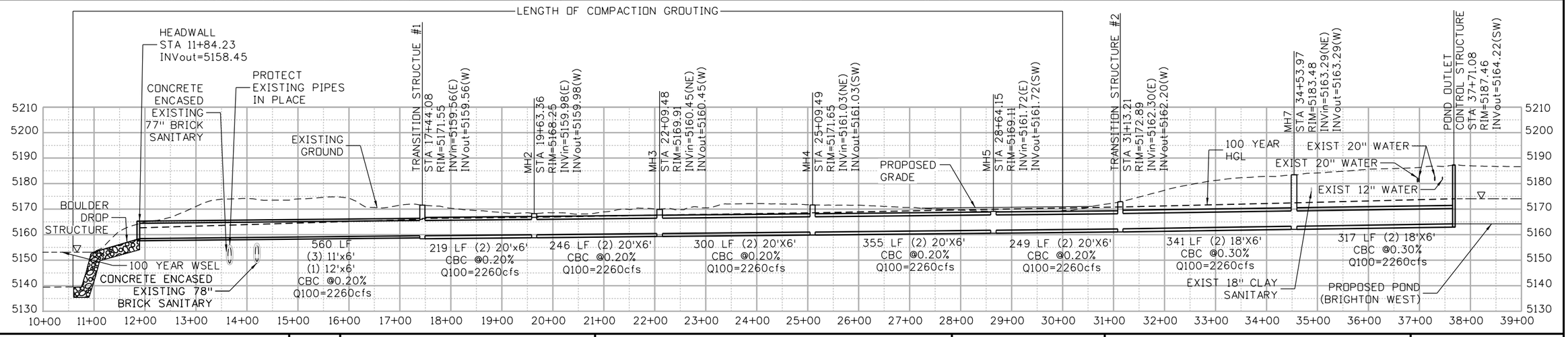

Print Date: 9/17/2015	Sheet Revisions			Colorado Department of Transportation	PRELIMINARY
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Horiz. Scale: 1:200 Vert. Scale: As Noted				Region 1 KJS	Revised:
Unit Information Unit Leader Initials					Void:
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276					

I-70 ROADWAY OFFSITE DRAINAGE OUTFALL PLAN AND PROFILE			Project No./Code
Designer:	Structure Numbers		FBR 0704-234
Detailer:			19631
Sheet Subset: Hydr PnP	Subset Sheets: 56 of 58		Sheet Number 338

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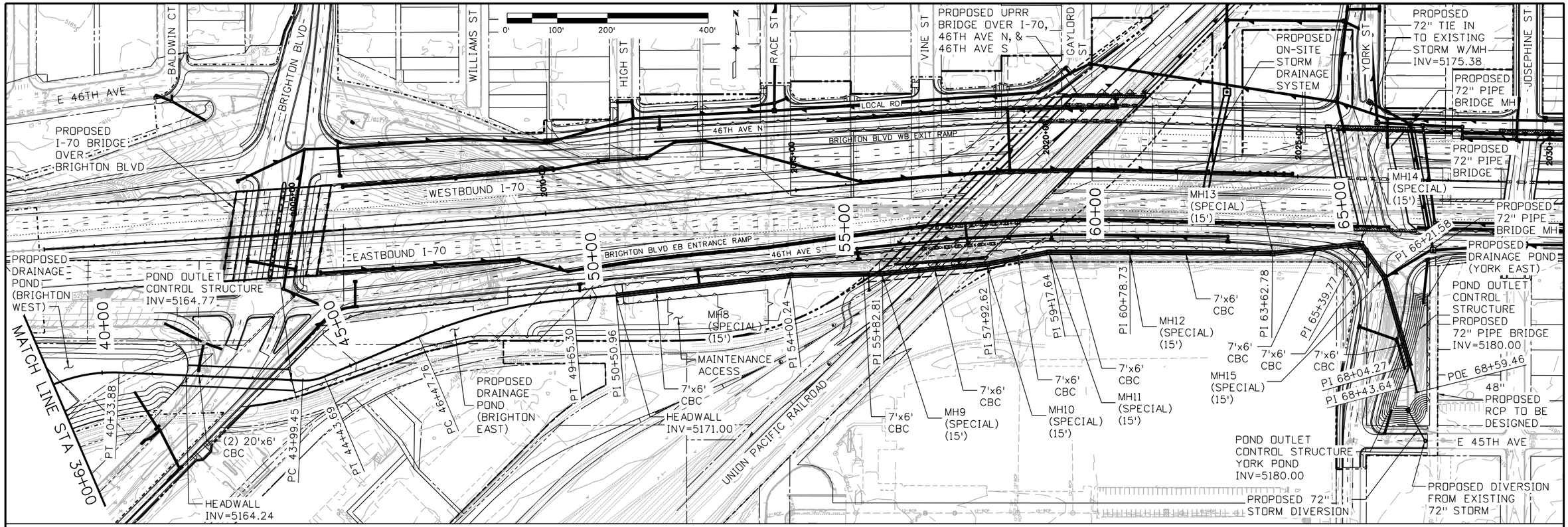

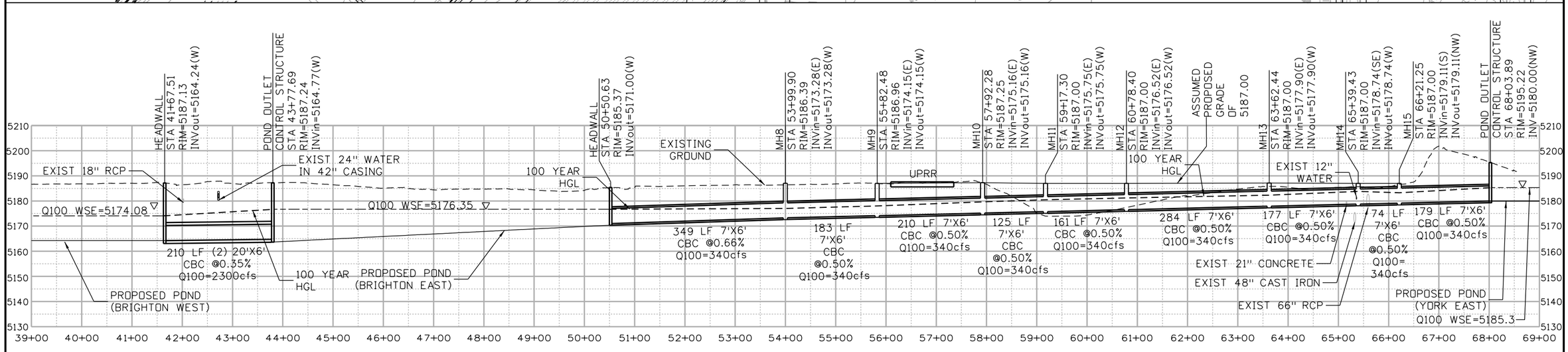

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Horiz. Scale: 1:200 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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No Revisions:
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I-70 ROADWAY OFFSITE DRAINAGE OUTFALL PLAN AND PROFILE

Designer:
Detailer:
Sheet Subset: Hydr PnP
Structure Numbers
Subset Sheets: 57 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 339

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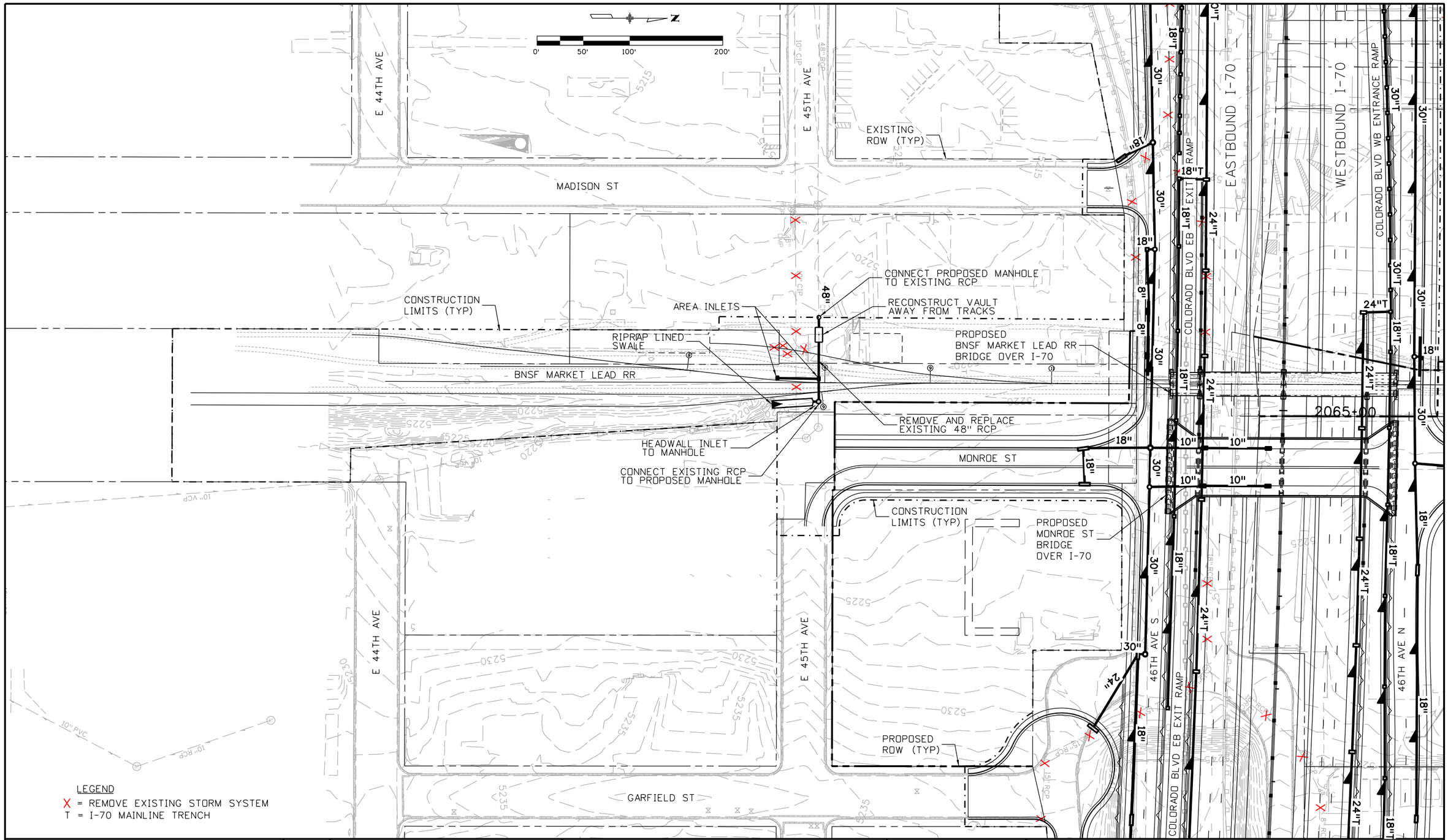

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Horiz. Scale: 1:100 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			
ATKINS 4601 DTC Boulevard, Suite 700 Denver, CO 80237 Phone: (303) 221-7275 Fax: (303) 221-7276			

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No Revisions:
Revised:
Void:

BNSF MARKET LEAD RR DRAINAGE PLAN

Designer:
Detailer:
Sheet Subset: Hydr Plan
Structure Numbers
Subset Sheets: 58 of 58

Project No./Code
FBR 0704-234
19631
Sheet Number 340

gain3182 2:43:54 PM S:\17\Data\13599\Hydraulics\Drawings\Procurement Plans\13599HYDR_Procurement_Plan 58_Base_BNSF Mkt Lead RR.dgn