

YOLO BYPASS WILDLIFE AREA HABITAT AND DRAINAGE
IMPROVEMENTS PROJECT

METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA

PREPARED BY:
CBEC ECO ENGINEERING

1

SEE DUCKS UNLIMITED YOLO
BYPASS WILDLIFE AREA PLAN SET

1

SEE DUCKS UNLIMITED YOLO
BYPASS WILDLIFE AREA PLAN SET

PROJECT LOCATION MAP

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02	SUB-PROJECT 1 - RICE CORNER BRIDGE SECTION
03	SUB-PROJECT 1 - I-80 DITCH GRADING STA 0+00 TO 20+50
04	SUB-PROJECT 1 - I-80 DITCH GRADING STA 20+50 TO 44+25
05	SUB-PROJECT 1 - CULVERT IMPROVEMENTS PLAN
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1 SEE DUCKS UNLIMITED YOLO
BYPASS WILDLIFE AREA PLAN SET

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EARTHWORK SUMMARY TABLE				
SUB-PROJECT NO.	SUB-PROJECT NAME	CUT (BCY)	FILL (CCY)	NET (BCY)
1	DRAINAGE IMPROVEMENTS AT RICE CORNER	3019	4812	3397 <FILL>
3	DRAINAGE IMPROVEMENTS AT THE Y	5104	1477	3135 <CUT>
5	PARKER POND	1141	659	262 <CUT>
TOTALS		9264	6948	0 <BALANCED>

NOTES:

- EARTHWORK VALUES ACCOUNT FOR A 25% SHRINKAGE FACTOR (I.E., BCY *0.75 = CCY).
- FILL VALUES DO NOT INCLUDE THE VOLUME OF CRUSHED AGGREGATE BASE FOR ROAD PAVING, ESTIMATED AT 120 CY

SCALE BARS

0100200300 FEET

1" = 100'

PREPARED BY:

ISSUE DESCRIPTION

100% DESIGN

ISSUE DATE

APRIL 2017

DESIGNED

SD

DRAWN

DT/WL

CHECKED

CC

FOR DRAWING APPROVALS SEE

YOLO BYPASS WILDLIFE AREA
HABITAT AND DRAINAGE IMPROVEMENTS

COVER

SFCWA CONTRACT #

143939

CBEC PROJECT #

15-1025

SHEET

G-01

DWG

REV

0

PREPARED WITH MWD
BRDR DATE: 01/29/2009

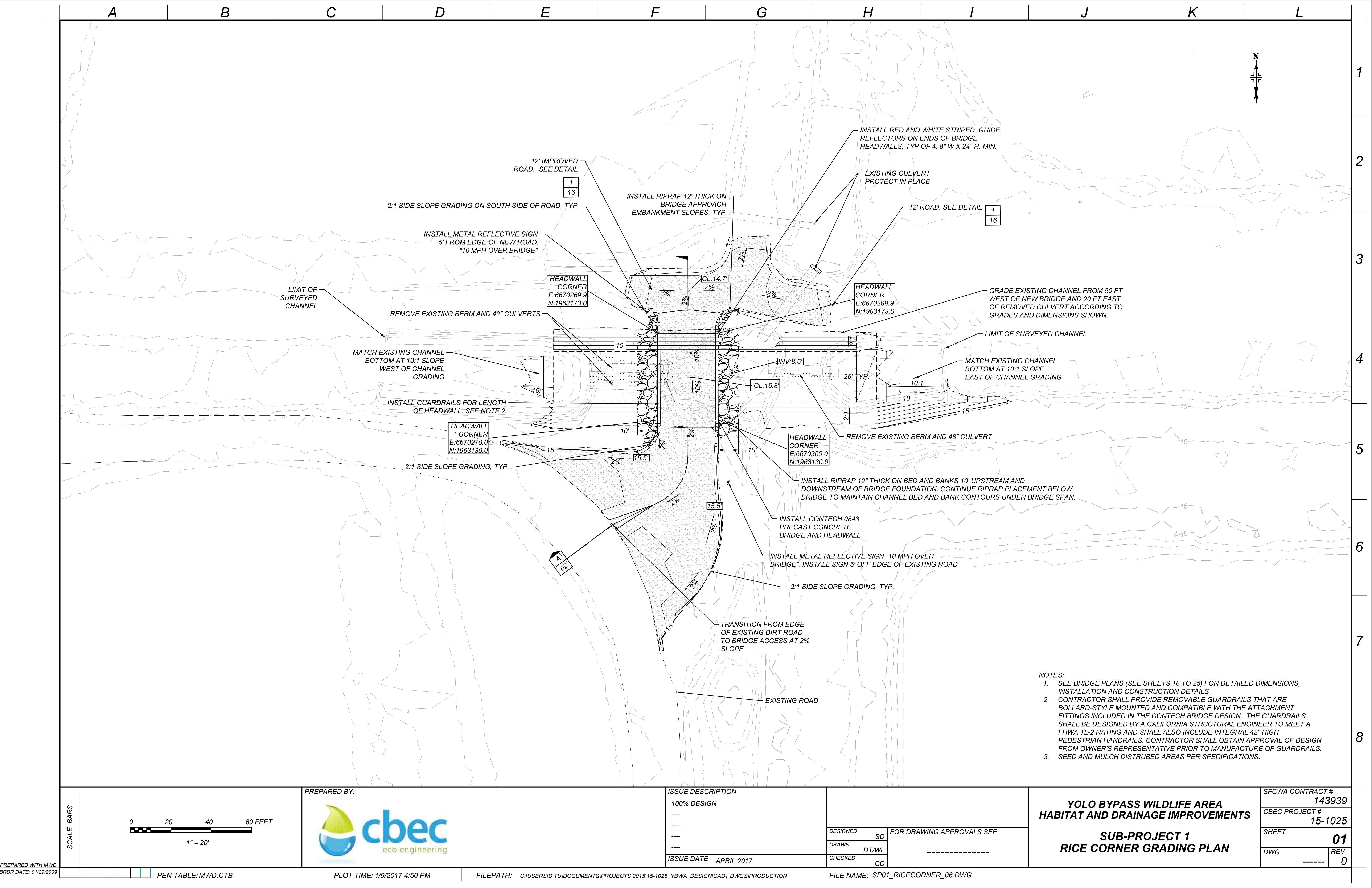
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FILE NAME: G-01 - COVER_2011_RR.DWG

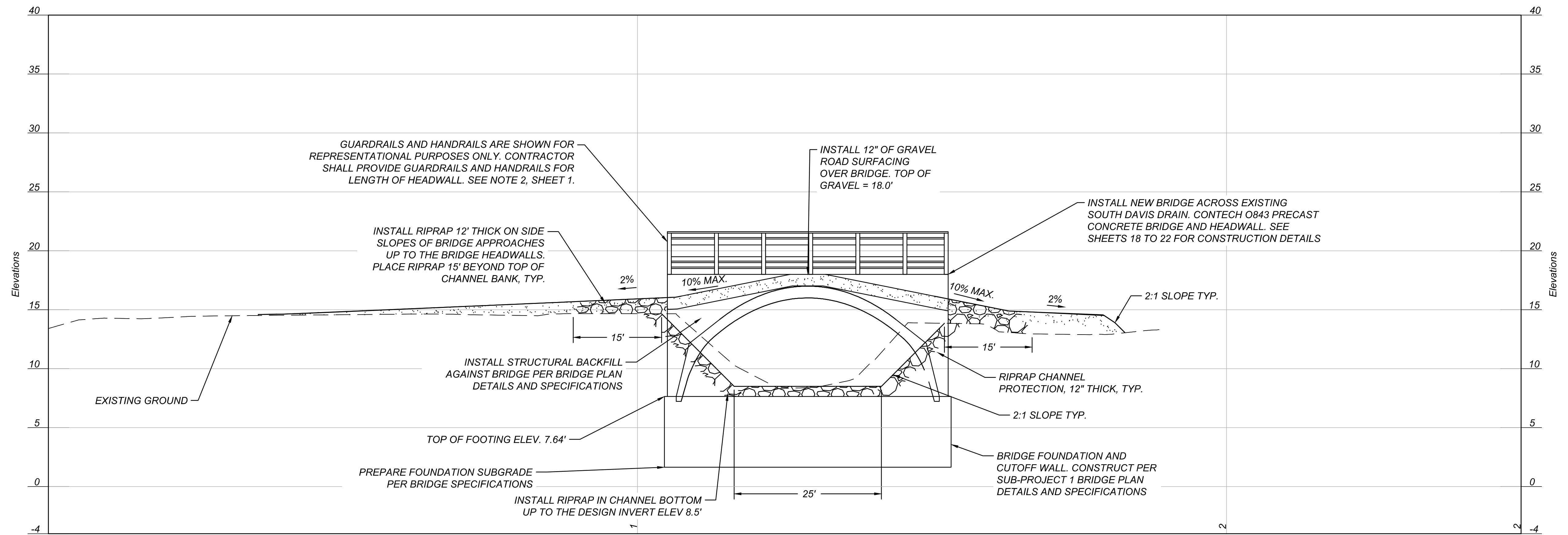




- NOTES:
1. SEE BRIDGE PLANS (SEE SHEETS 18 TO 25) FOR DETAILED DIMENSIONS, INSTALLATION AND CONSTRUCTION DETAILS
 2. CONTRACTOR SHALL PROVIDE REMOVABLE GUARDRAILS THAT ARE BOLLARD-STYLE MOUNTED AND COMPATIBLE WITH THE ATTACHMENT FITTINGS INCLUDED IN THE CONTECH BRIDGE DESIGN. THE GUARDRAILS SHALL BE DESIGNED BY A CALIFORNIA STRUCTURAL ENGINEER TO MEET A FHWA TL-2 RATING AND SHALL ALSO INCLUDE INTEGRAL 42" HIGH PEDESTRIAN HANDRAILS. CONTRACTOR SHALL OBTAIN APPROVAL OF DESIGN FROM OWNER'S REPRESENTATIVE PRIOR TO MANUFACTURE OF GUARDRAILS.
 3. SEED AND MULCH DISTURBED AREAS PER SPECIFICATIONS.

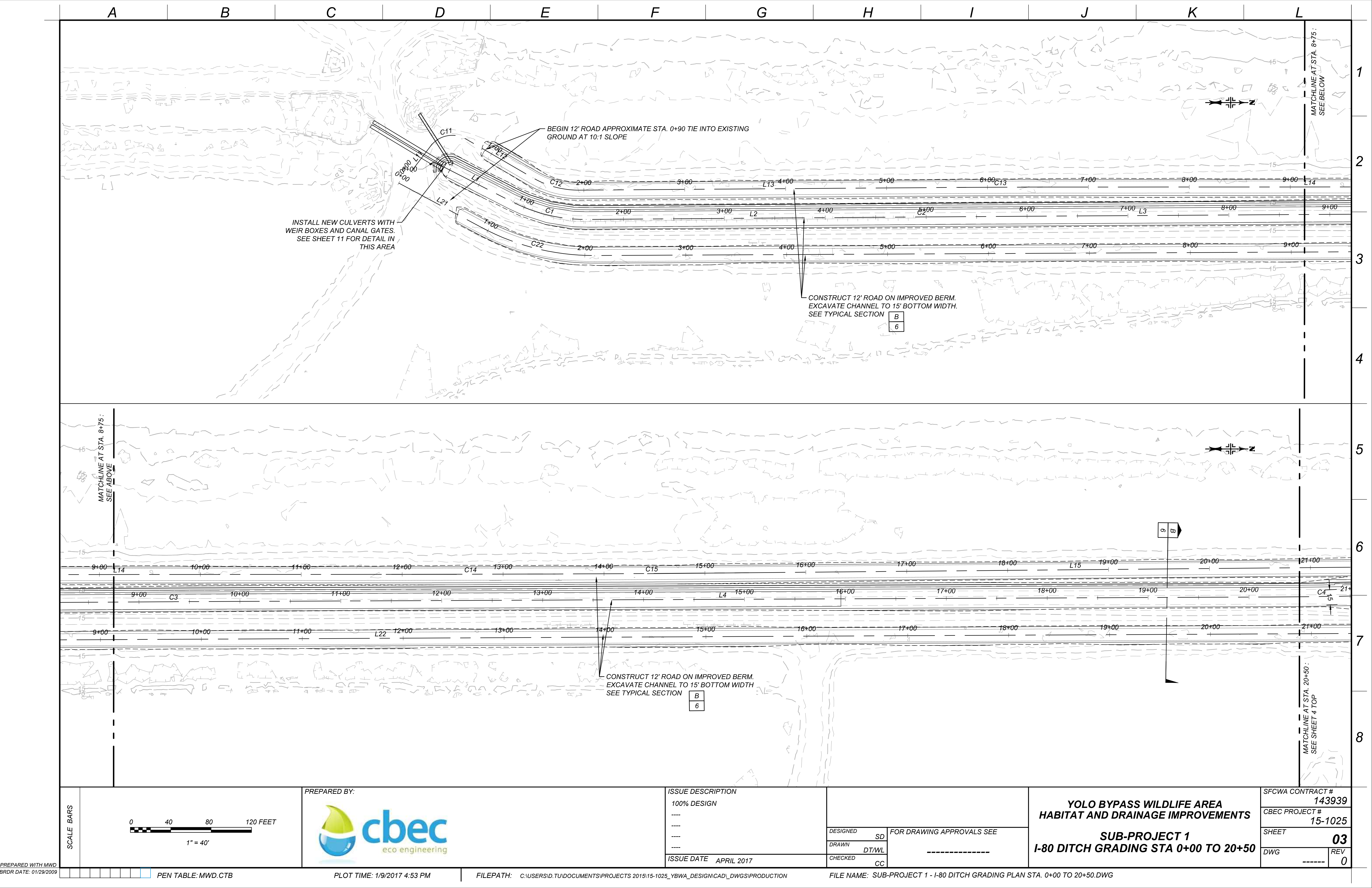
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			100% DESIGN					143939	
			-----		DESIGNED	SD		CBEC PROJECT #	
			-----		DRAWN	DT/WL		15-1025	
			-----		CHECKED	CC		SHEET	
ISSUE DATE			APRIL 2017		-----		SUB-PROJECT 1		
							RICE CORNER GRADING PLAN		
							DWG		
							REV		
							0		

PREPARED WITH MWD
BRDR DATE: 01/29/2009



SECTION A
H:1"=10'; V:1"=5'
01

SCALE BARS	HORIZ. 0 10 20 30 FEET 1" = 10'		PREPARED BY: 	ISSUE DESCRIPTION 100% DESIGN ----- ----- ----- ISSUE DATE APRIL 2017	DESIGNED SD DRAWN DT/WL CHECKED CC	FOR DRAWING APPROVALS SEE -----	YOLO BYPASS WILDLIFE AREA HABITAT AND DRAINAGE IMPROVEMENTS SUB-PROJECT 1 RICE CORNER BRIDGE SECTION	SFCWA CONTRACT # 143939	
	VERT. 0 5 10 20 FEET 1" = 5'							CBEC PROJECT # 15-1025	
								SHEET 02	
								DWG -----	
</									



PREPARED WITH MWD
BRDR DATE: 01/29/2009

SCALE BARS

04080120 FEET

1" = 40'

PREPARED BY:



ISSUE DESCRIPTION

100% DESIGN

ISSUE DATE APRIL 2017

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CHECKED	CC	

YOLO BYPASS WILDLIFE AREA
HABITAT AND DRAINAGE IMPROVEMENTS

SUB-PROJECT 1
I-80 DITCH GRADING STA 0+00 TO 20+50

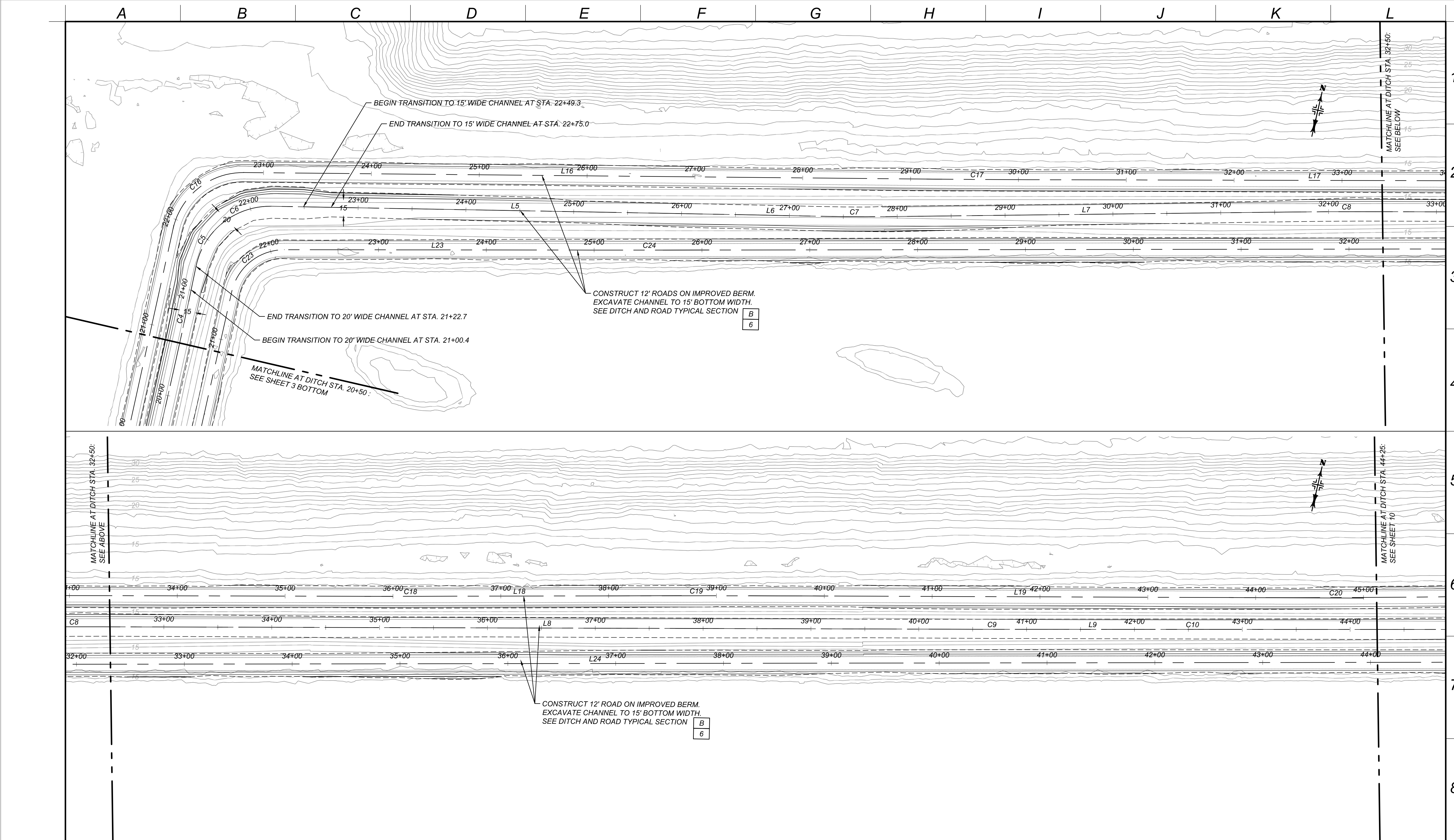
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CBEC PROJECT #	15-1025
SHEET	03
DWG	-----
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FILE NAME: SUB-PROJECT 1 - I-80 DITCH GRADING PLAN STA. 0+00 TO 20+50.DWG

PEN TABLE: MWD.CTB



SCALE BARS

04080120 FEET

1" = 40'

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ISSUE DATE

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DT/WL

CHECKED

CC

YOLO BYPASS WILDLIFE AREA
HABITAT AND DRAINAGE IMPROVEMENTS

SUB-PROJECT 1
I-80 DITCH GRADING STA 20+50 TO 44+25

SFCWA CONTRACT #

143939

CBEC PROJECT #

15-1025

SHEET

04

DWG

REV

0

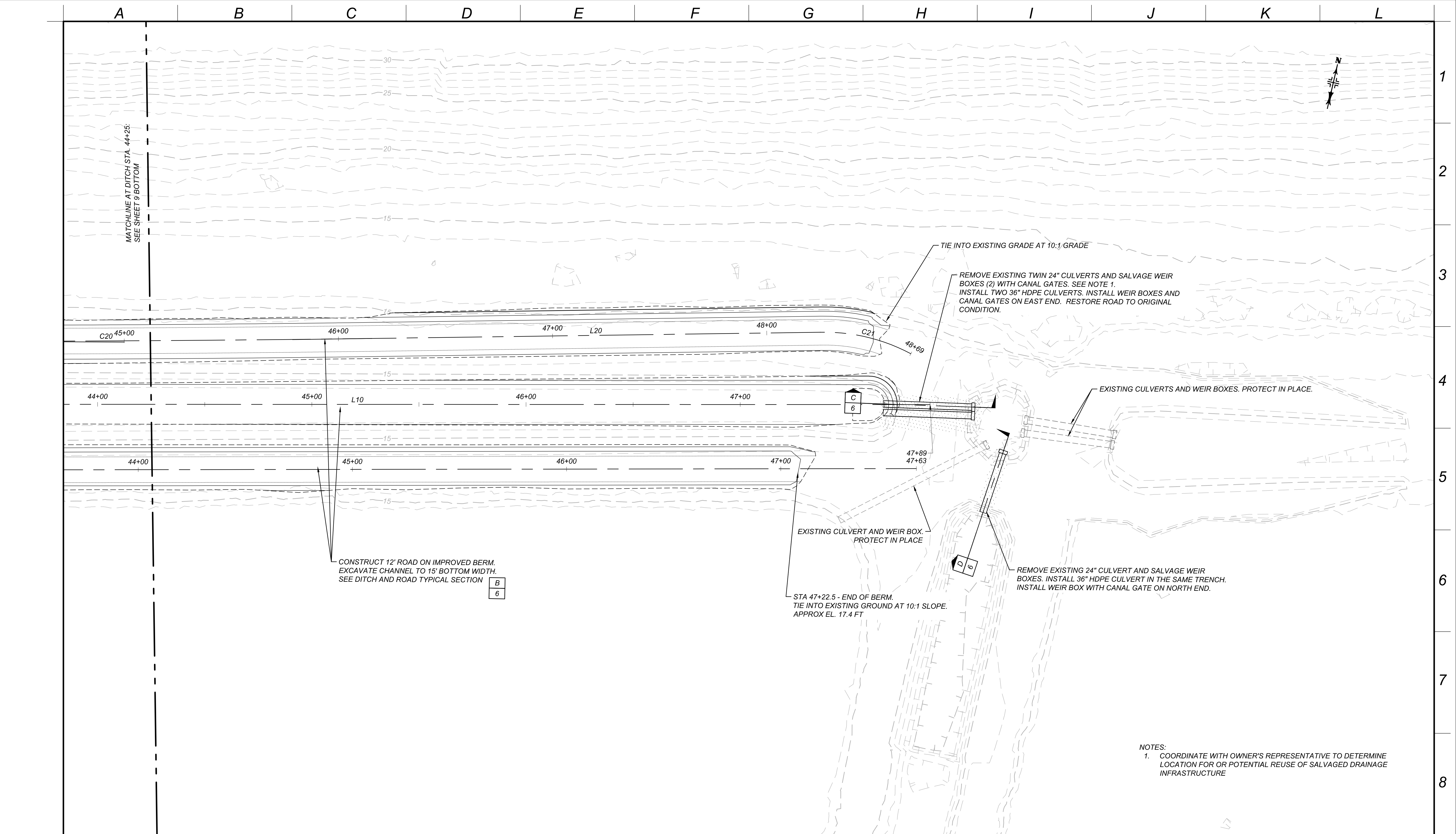
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FILE NAME: SP01_I80_02.DWG



NOTES:
1. COORDINATE WITH OWNER'S REPRESENTATIVE TO DETERMINE LOCATION FOR OR POTENTIAL REUSE OF SALVAGED DRAINAGE INFRASTRUCTURE

SCALE BARS	0204060 FEET 1" = 20'	PREPARED BY: 	ISSUE DESCRIPTION 100% DESIGN ----- ----- ----- ISSUE DATE APRIL 2017	DESIGNED SD DRAWN DT/WL CHECKED CC	FOR DRAWING APPROVALS SEE -----	YOLO BYPASS WILDLIFE AREA HABITAT AND DRAINAGE IMPROVEMENTS SUB-PROJECT 1 CULVERT IMPROVEMENTS PLAN	SFCWA CONTRACT #		143939
							CBEC PROJECT #		15-1025
							SHEET		05
							DWG	-----	REV 0

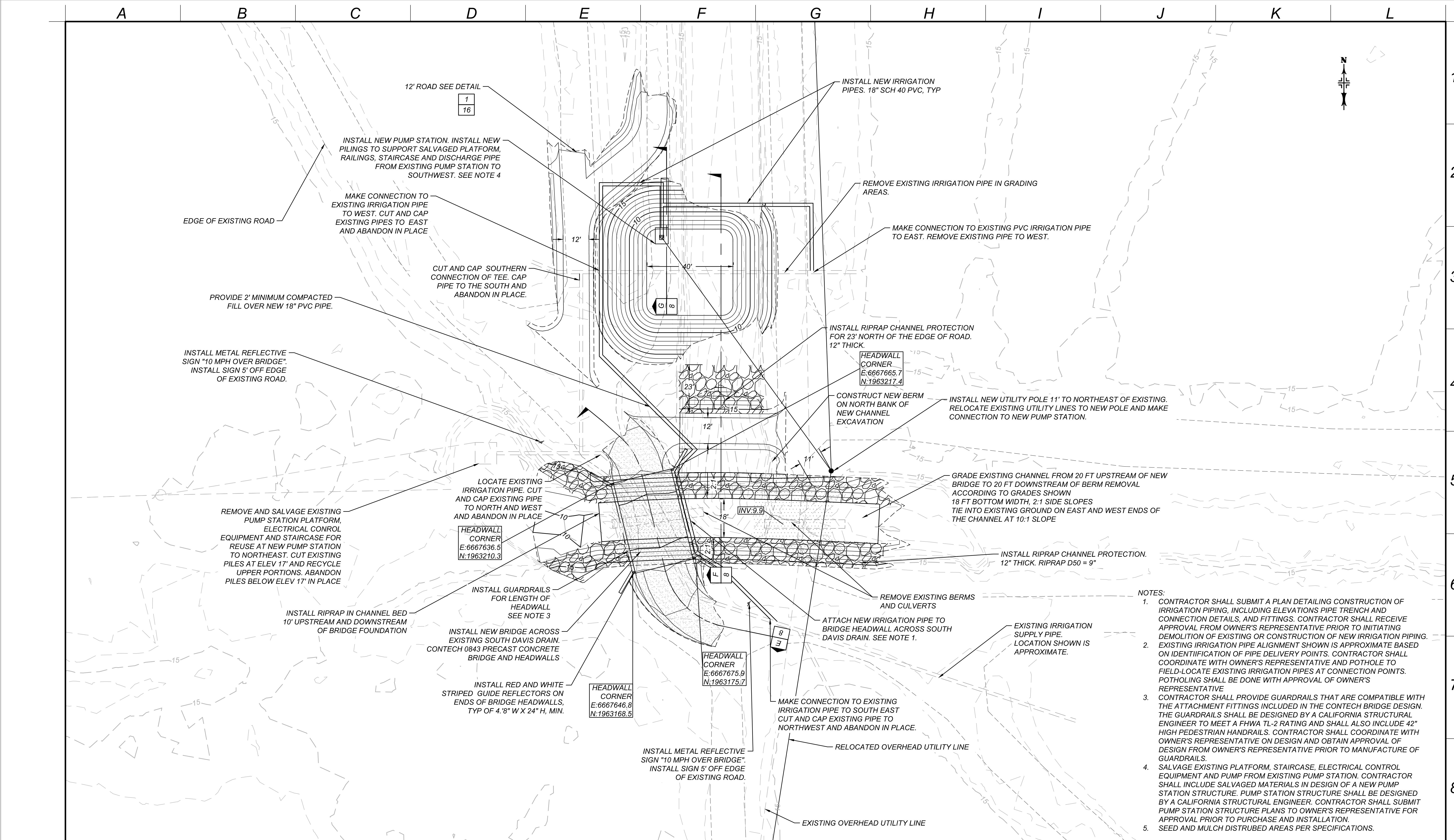
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FILE NAME: SP01_180_03.DWG



SCALE BARS

0204060 FEET

1" = 20'

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ISSUE DESCRIPTION

100% DESIGN

ISSUE DATE

APRIL 2017

DESIGNED

SD

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DRAWN

DT/WL

CHECKED

CC

YOLO BYPASS WILDLIFE AREA
HABITAT AND DRAINAGE IMPROVEMENTS

SUB-PROJECT 3
THE Y IMPROVEMENT PLAN

SFCWA CONTRACT #

143939

CBEC PROJECT #

15-1025

SHEET

07

DWG

REV

0

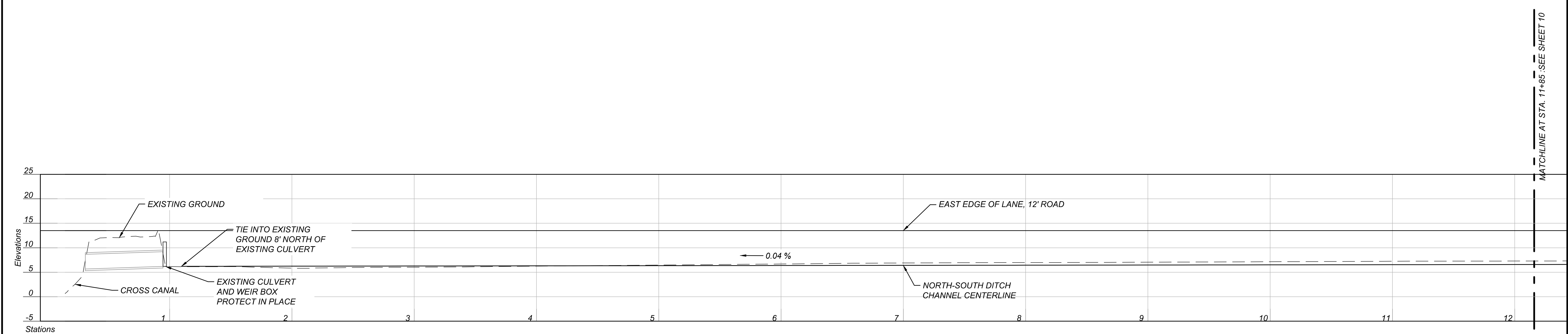
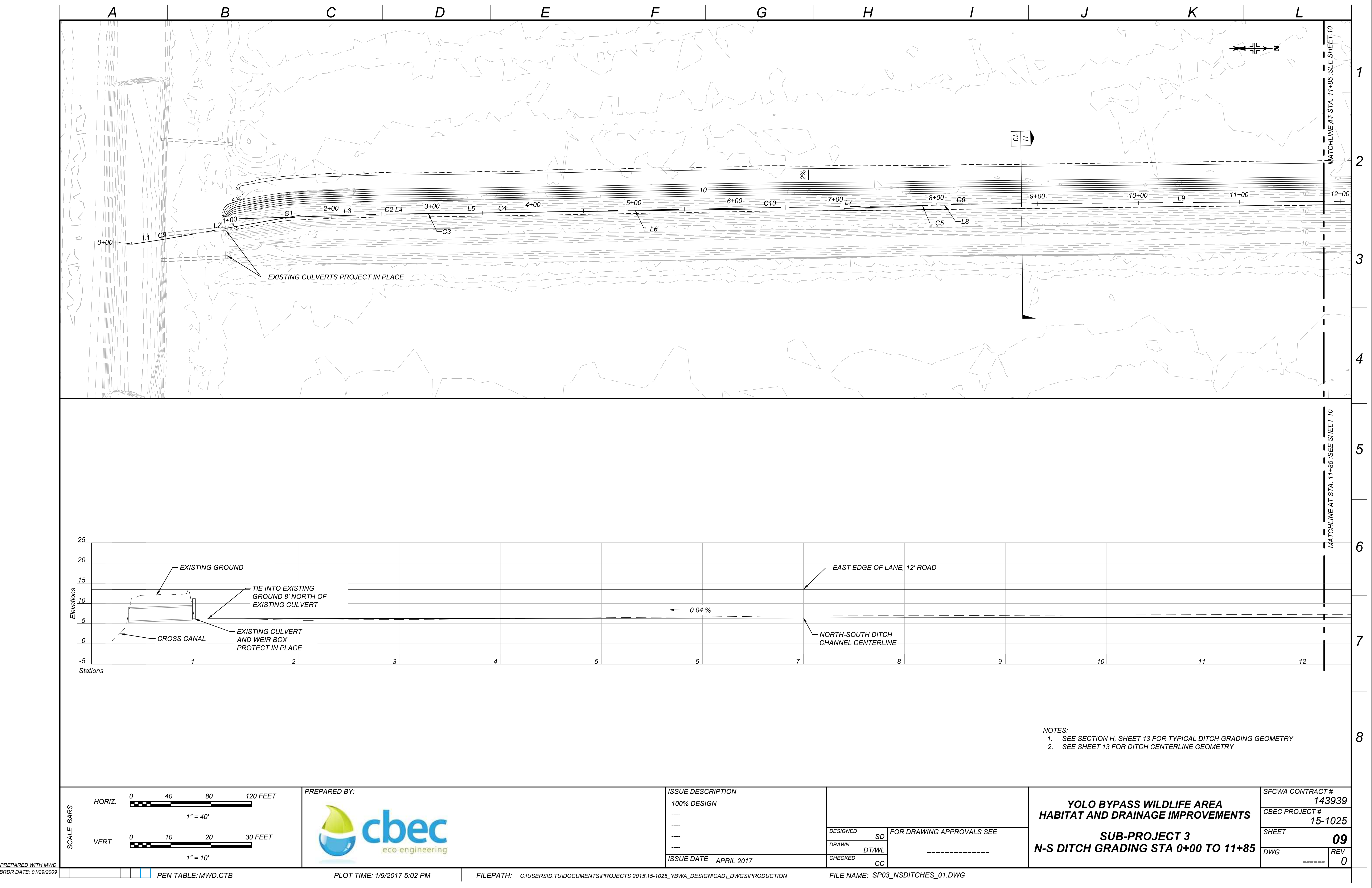
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FILE NAME: SP03_THEY_01.DWG



- NOTES:
- 1. SEE SECTION H, SHEET 13 FOR TYPICAL DITCH GRADING GEOMETRY
 - 2. SEE SHEET 13 FOR DITCH CENTERLINE GEOMETRY

SCALE BARS

HORIZ.

0 40 80 120 FEET

1" = 40'

VERT.

0 10 20 30 FEET

1" = 10'

PREPARED BY:



cbec
eco engineering

ISSUE DESCRIPTION

100% DESIGN

ISSUE DATE

APRIL 2017

DESIGNED

SD

DRAWN

DT/WL

CHECKED

CC

FOR DRAWING APPROVALS SEE

YOLO BYPASS WILDLIFE AREA
HABITAT AND DRAINAGE IMPROVEMENTS

SUB-PROJECT 3
N-S DITCH GRADING STA 0+00 TO 11+85

SFCWA CONTRACT #

143939

CBEC PROJECT #

15-1025

SHEET

09

DWG

REV

0

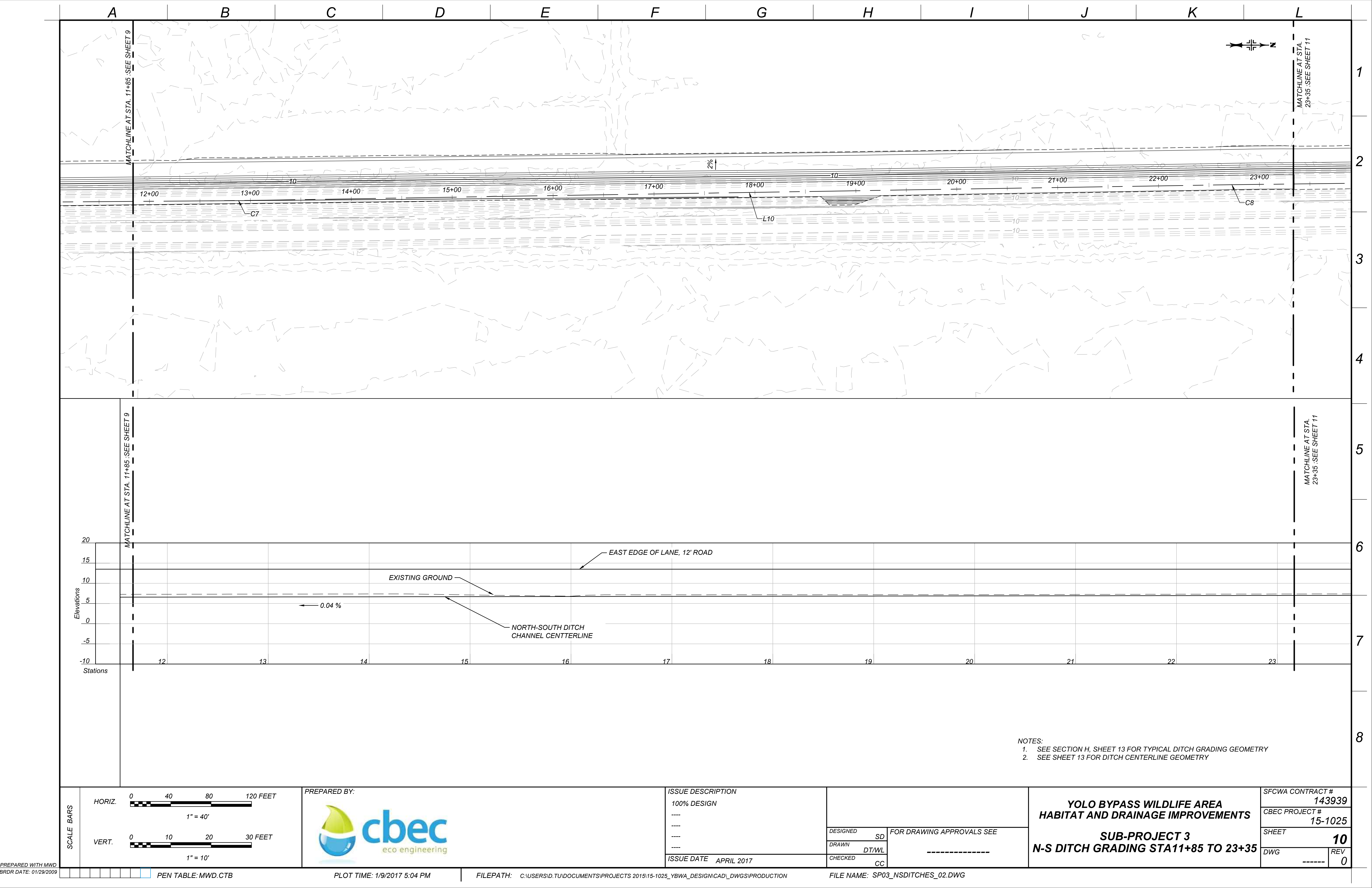
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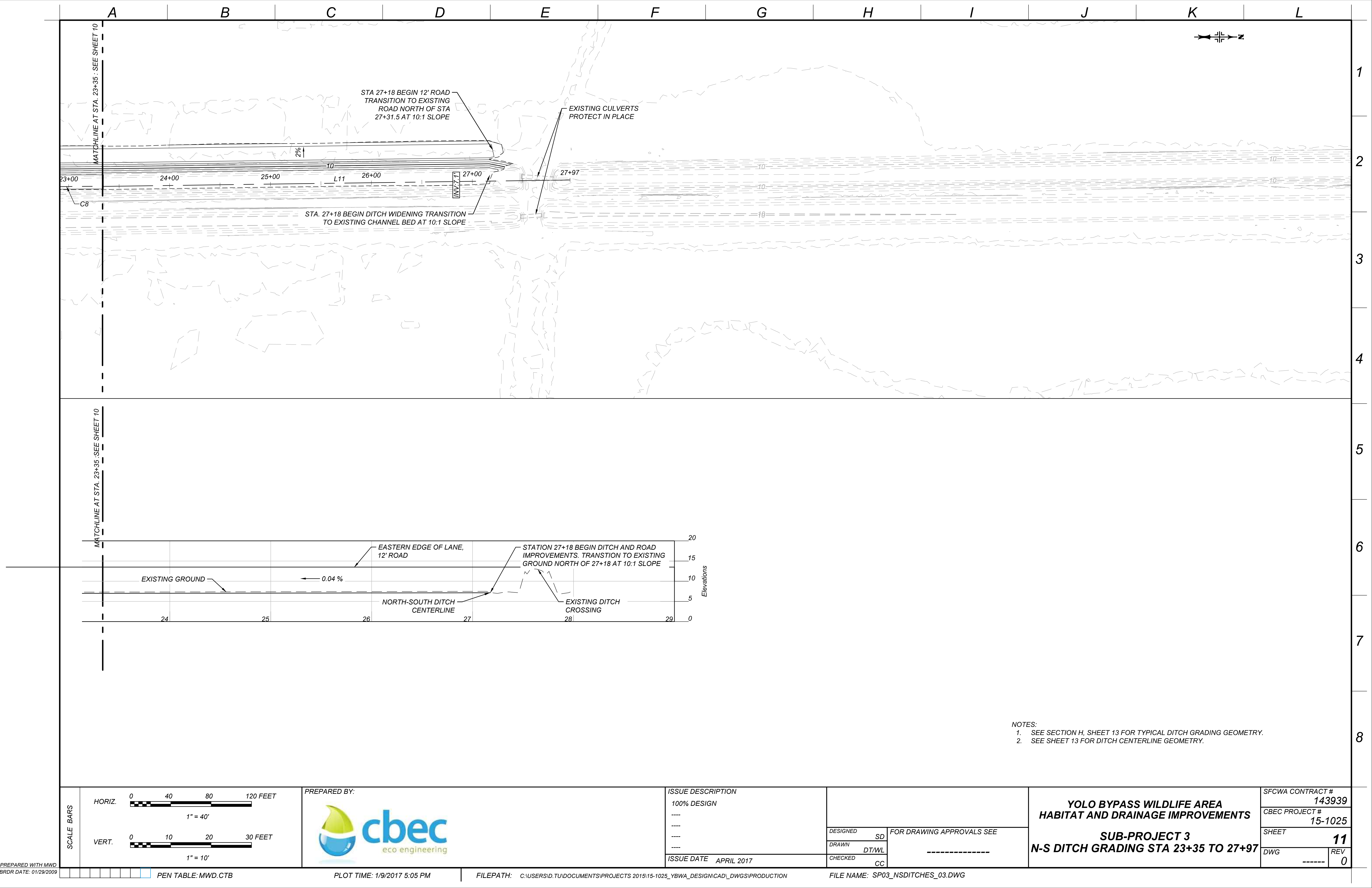
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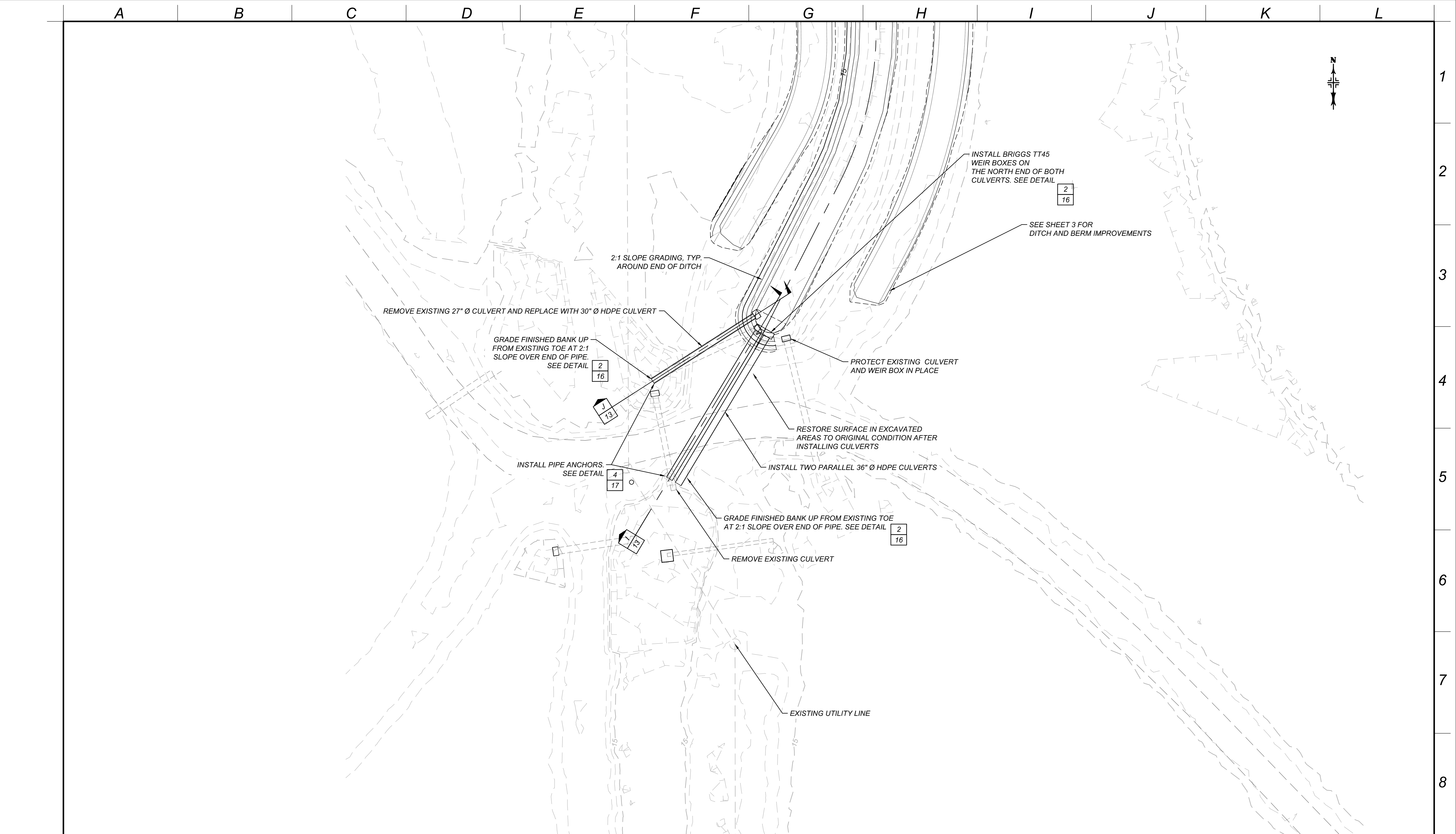
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			-----				CBEC PROJECT #	
			-----		15-1025			
-----		DESIGNED SD		SUB-PROJECT 3 CULVERT IMPROVEMENT PLAN		SHEET		
-----		DRAWN DT/WL				12		
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PEN TABLE: MWD.CTB

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