
CONSTRUCTION COMPLETED



	A	B	C	D
1				
2				
3				
4				
5				

Sheet Number	Title	30%
Package A - General Sheets		
1	Cover Sheet and Location Map	X
2	List of Sheets	X
3	General Notes, Abbreviations, and Legend	X
	Structural Notes	
	Site Plan and Survey Control	
4	Plan of Existing Conditions	X
5	Ownership, ROW, and Easement Plan (1 of 2)	X
6	Ownership, ROW, and Easement Plan (2 of 2)	X
7	Plan of Subsurface Investigation Locations	X
	Geological Sections (1 of 4)	
	Geological Sections (2 of 4)	
	Geological Sections (3 of 4)	
	Geological Sections (4 of 4)	
8	General Plan of Modifications	X
9	Contractor Staging Area	X
	Erosion Control Plan (1 of 2)	
	Erosion Control Plan (2 of 2)	
	Erosion Control Plan - Sections	
	Erosion Control Plan - Details	
10	Site Utilities Plan (1 of 3)	X
11	Site Utilities Plan (2 of 3)	X
12	Site Utilities Plan (3 of 3)	X
13	Site Demolition	X
	Site Demolition and Removal Sections	
	Site Demolition and Removal Details	
14	Borrow Plan	X
	Borrow Sections	
	Environmental Mitigation Plan	
	Environmental Mitigation Sections and Details (1 of 2)	
	Environmental Mitigation Sections and Details (2 of 2)	
Package B - Earthwork		
1	CU Levee Removal Plan and Section	X
	CU Levee Removal Sections	
2	Plan of S. Loop Dr Earthfill	X
3	S. Loop Dr Earthfill Sections	X
	S. Loop Dr EarthFill Sections (2 of 2)	
4	Detention Excavation Plan	X
	Detention Excavation - Inflow Rundowns (1 of 2)	
	Detention Excavation - Inflow Rundowns (2 of 2)	
	Southwest Embankment Abutment Grading Plan	
	Southwest Embankment Abutment Grading - Sections	
	Upstream Basin Earthwork - Plan	
	Upstream Basin Earthwork - Sections	
Package C - Embankment Dam		
1	General Embankment Plan	X
2	Excavation Plan	X
	Excavation Plan (Sheet 2 of 2)	
	Excavation Sections (Sheet 1 of 2)	
	Excavation Sections (Sheet 1 of 2)	
3	Embankment Dam - Centerline Profile	X
4	Embankment Dam - Sections	X
	Embankment Dam - Sections and Details	
	Embankment Dam - Sections and Details (2 of 2)	
	Embankment Dam - Details (1 of 2)	
	Embankment Dam - Details (2 of 2)	
5	Embankment Drainage - Plan and Profile (1 of 3)	X
6	Embankment Drainage - Plan and Profile (2 of 3)	X
7	Embankment Drainage - Plan and Profile (3 of 3)	X
	Embankment Drainage Sections and Details (1 of 2)	
	Embankment Drainage Sections and Details (2 of 2)	
Package D - Spillway		
1	Spillway General Plan	X
2	Spillway Excavation Plan (Sheet 1 of 2)	X
3	Spillway Excavation Plan (Sheet 2 of 2)	X
4	Spillway Excavation Sections (Sheet 1 of 2)	X
	Spillway Excavation Sections (Sheet 2 of 2)	
5	Secant Pile Wall - Plan and Profile (1 of 4)	X
6	Secant Pile Wall - Plan and Profile (2 of 4)	X
7	Secant Pile Wall - Plan and Profile (3 of 4)	X
8	Secant Pile Wall - Plan and Profile (4 of 4)	X
9	Groundwater Conveyance System - Plan and Profile (1 of 4)	X
10	Groundwater Conveyance System - Plan and Profile (2 of 4)	X
11	Groundwater Conveyance System - Plan and Profile (3 of 4)	X
12	Groundwater Conveyance System - Plan and Profile (4 of 4)	X
13	Groundwater Conveyance System - Sections (1 of 2)	X
	Groundwater Conveyance System - Sections (2 of 2)	
	Groundwater Conveyance System - Sections and Details (1 of 2)	
	Groundwater Conveyance System - Sections and Details (2 of 2)	
14	Spillway Plan and Profile (1 of 4)	X
15	Spillway Plan and Profile (2 of 4)	X
16	Spillway Plan and Profile (3 of 4)	X
17	Spillway Plan and Profile (4 of 4)	X
18	Spillway Sections (1 of 2)	X
19	Spillway Sections (2 of 2)	X

Sheet Number	Title	30%
	Spillway Sections and Details (1 of 2)	
	Spillway Sections and Details (2 of 2)	
20	Spillway Sections - East Connection	X
21	Spillway Sections - West Connection	X
22	CDOT Media Filter Drain Modification General Plan	X
23	CDOT Media Filter Drain Modification Plan and Sections	X
Package E - Instrumentation		
	Instrumentation General Plan	
	Instrumentation Embankment Plan	
	Embankment - Sections and Details	
	Water Measurement Instruments - Plan	
	Water Measurement Instruments - Details	
	Temporary Monitoring US36 - Plan and Details	
Package F - Barrier Wall		
1	Barrier Wall General Plan	X
2	Soil Bentonite Barrier Wall for Detention Excavation - Profile	X
3	Soil Bentonite Barrier Wall for Detention Excavation - Sections and Details	X
	Soil Bentonite Barrier Wall - Sections and Details (2 of 2)	
Package G - Outlet Works		
1	General Plan and Profile	X
2	Inlet Structure Plan	X
3	Inlet Structure Sections and Details	X
	Inlet Structure - Sections and Details (2 of 2)	
4	Outlet Structure Plan	X
	Outlet Structure - Elevations	
5	Outlet Structure Sections and Details	X
	Outlet Structure - Sections and Details (2 of 3)	
	Outlet Structure - Sections and Details (3 of 3)	
	Trashracks - Plan	
	Trashracks - Sections and Details (1 of 2)	
	Trashracks - Sections and Details (2 of 2)	
6	Miscellaneous Sections and Details	X
	Tunneling Plan	
	Tunneling Details	
Package H -Site Drainage		
	Site Drainage Plan	
	Site Drainage Sections	
	Site Drainage - Sections (1 of 2)	
	Site Drainage - Sections (2 of 2)	
	Site Drainage - Details (1 of 2)	
	Site Drainage - Details (2 of 2)	
	Dry Creek Ditch No.2 Plan	
	Dry Creek Ditch No.2 - Sections and Details	
Package I - US36 Multi-Use Trail		
1	Temporary Bypass - Plan and Profile	X
	Multi-Use Trail Modifications - Plan and Profile	
	Multi-Use Trail Modifications - Sections (1 of 2)	
	Multi-Use Trail Modifications - Sections (2 of 2)	
	Multi-Use Trail Modifications - Details	
	Multi-Use Trail Modifications - Traffic Control Permanent	
	Multi-Use Trail Modifications - Traffic Control Temporary	
Package J - Ecological Restoration		
	Restoration Plan	
	Restoration Sections (1 of 2)	
	Restoratoion Sectioins (2 of 2)	
	Planting Plan	
	Planting Details	



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CITY OF BOULDER

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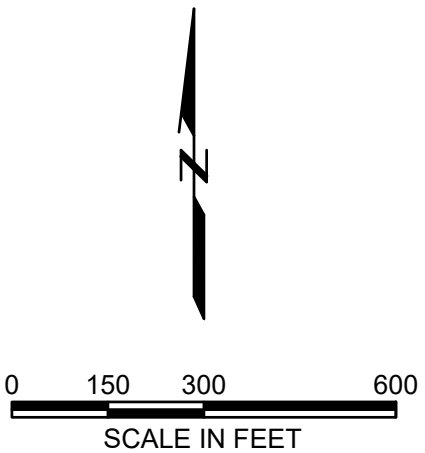
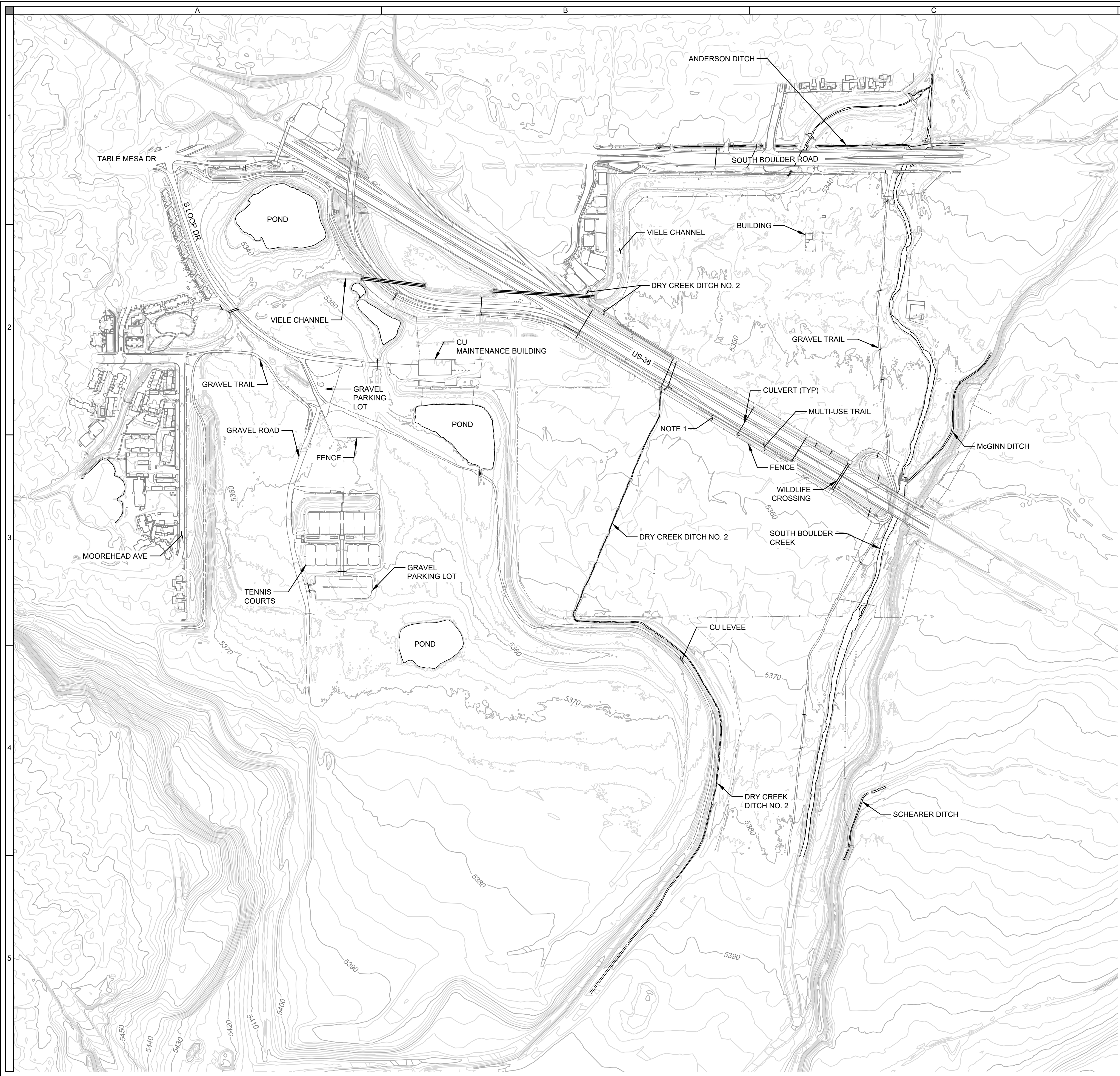
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16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

LIST OF SHEETS

SHEET ID
A2

2 OF 58



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DESIGNED BY:	7/27/21	E. HAHN
DRAWN BY:	7/27/21	C. DAVIS
CHECKED BY:	DATE	S. GUILLIES
APPROVED BY:	DATE	R. HUZJAK

RJH PROJECT NUMBER
16134

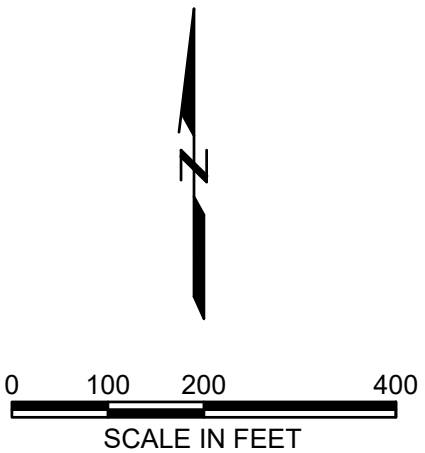
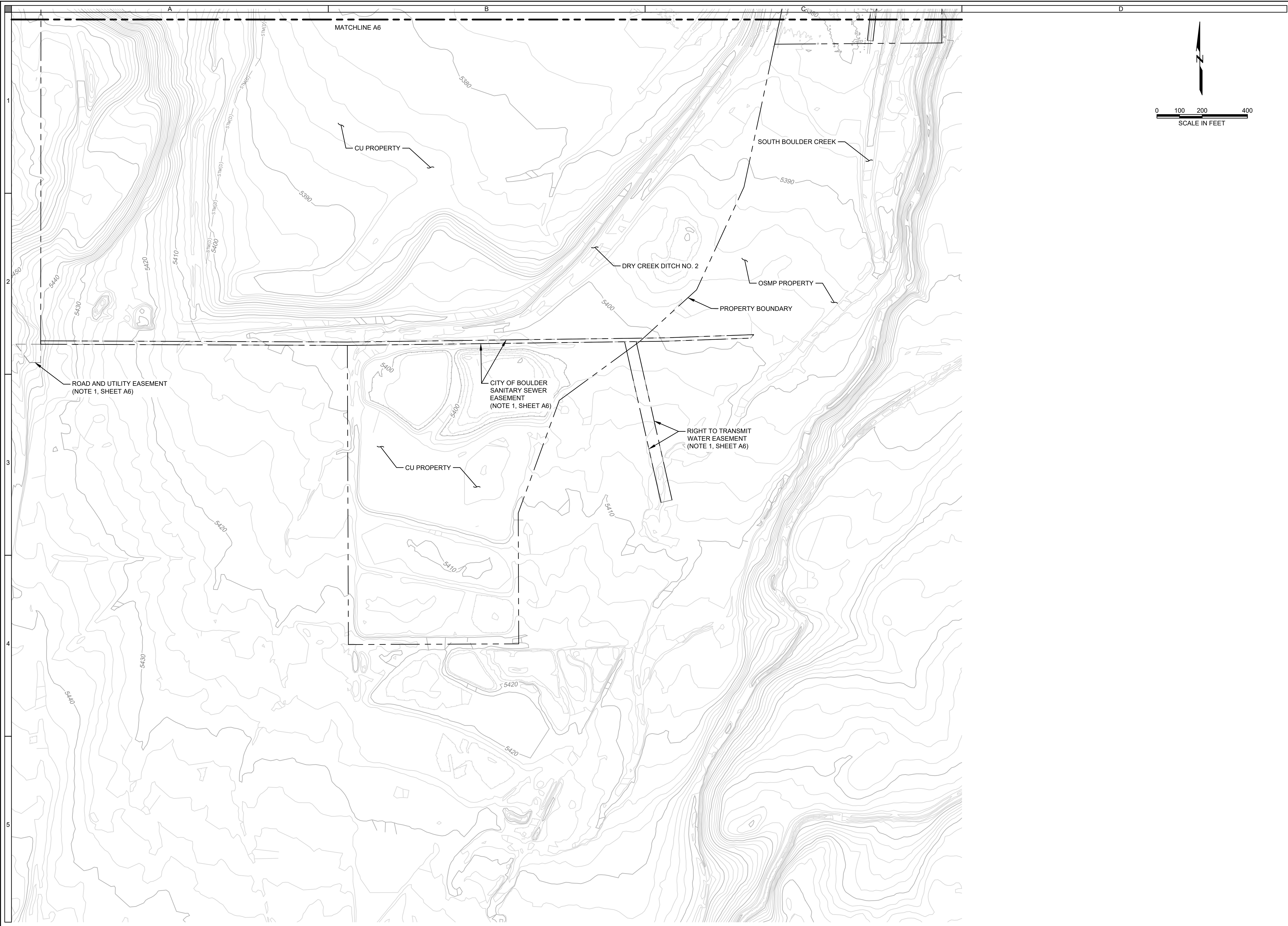
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PLAN OF EXISTING CONDITIONS

SHEET ID
A4

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- NOTES:
- EXISTING UTILITIES ARE NOT SHOWN. SEE SHEETS A-14 TO A-16.
 - CONTOUR INTERVALS ARE 2 FEET.



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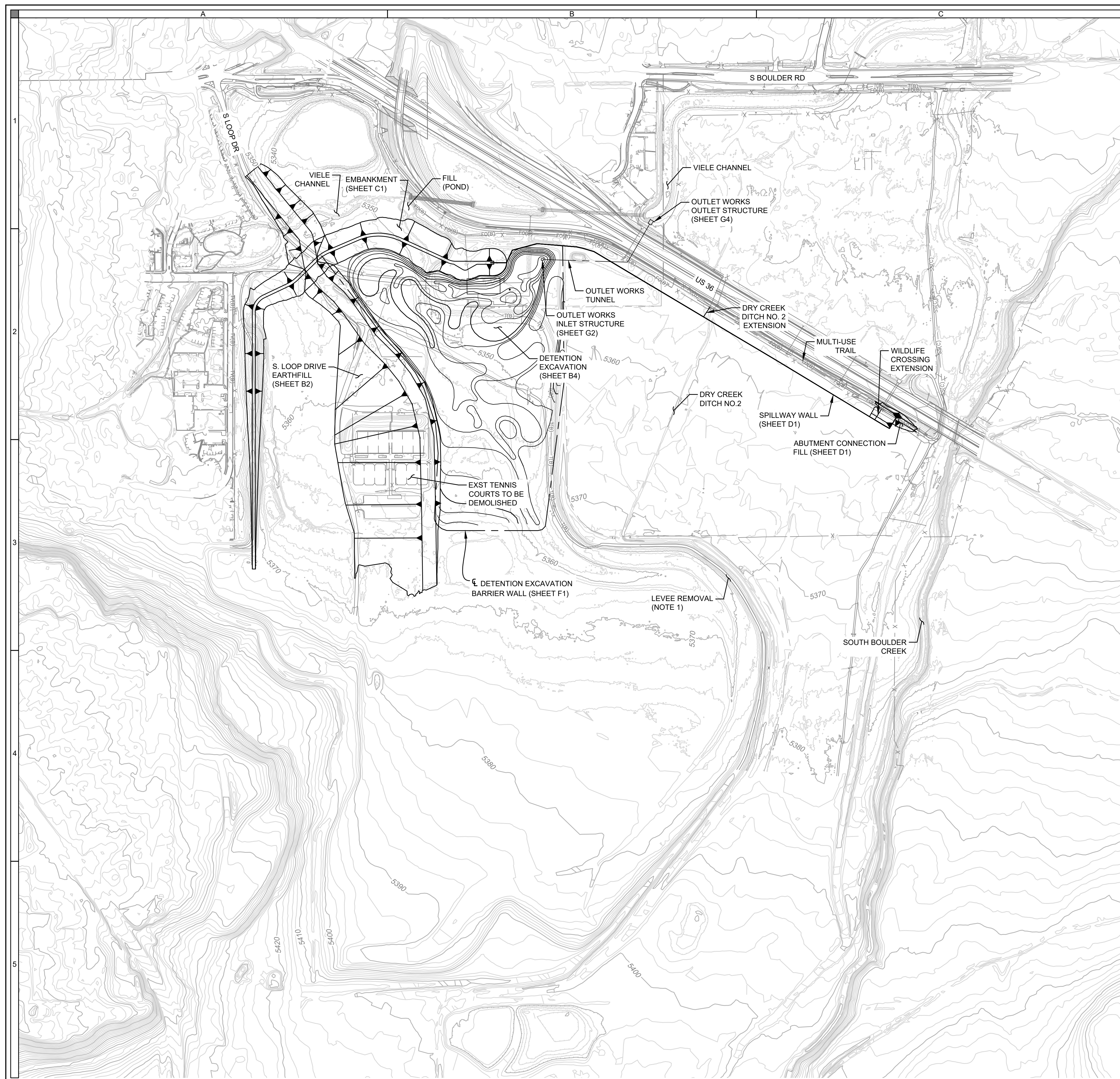
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OWNERSHIP, ROW, AND EASEMENT
PLAN (2 OF 2)

SHEET ID
A6

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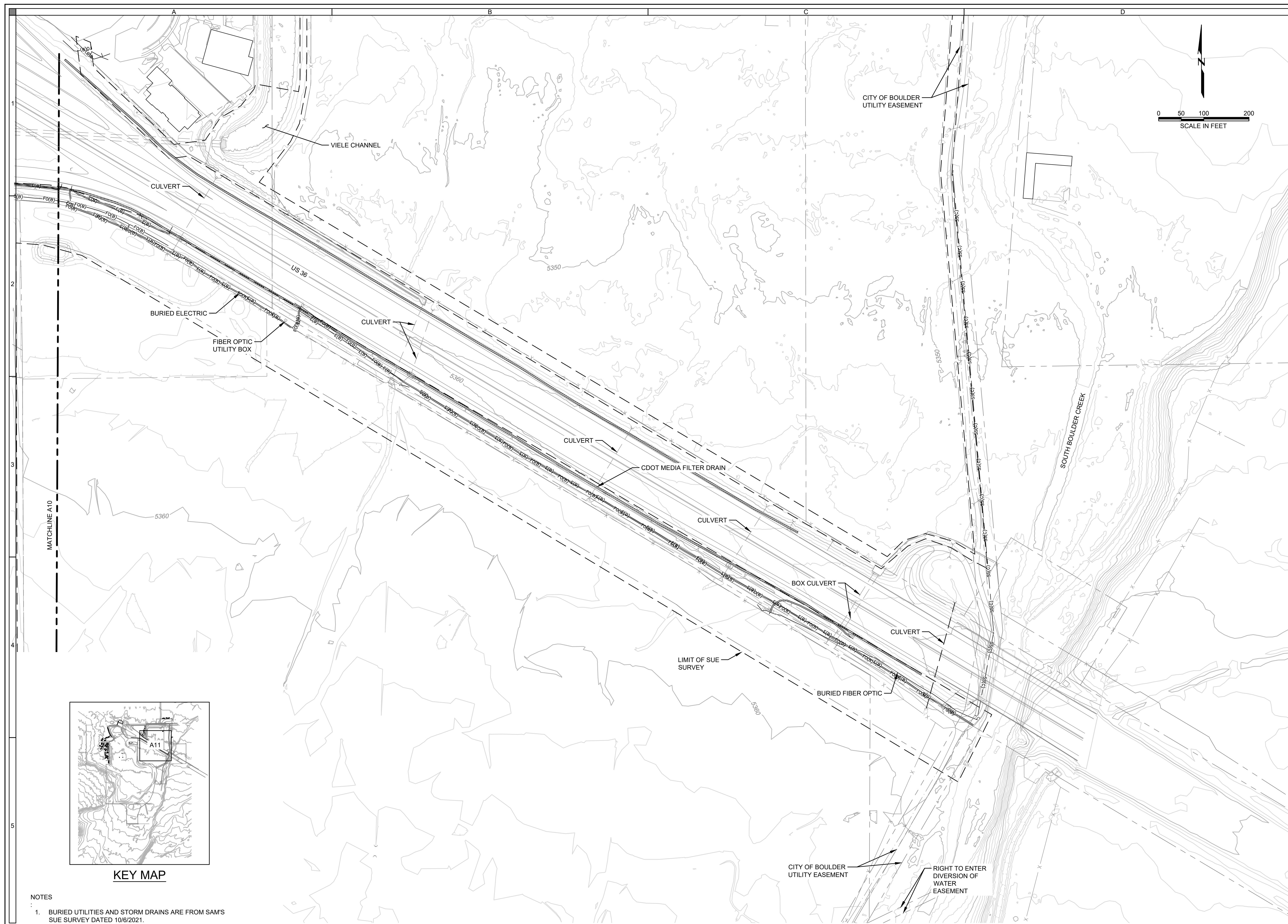
GENERAL PLAN OF MODIFICATIONS

SHEET ID
A8

8 OF 58

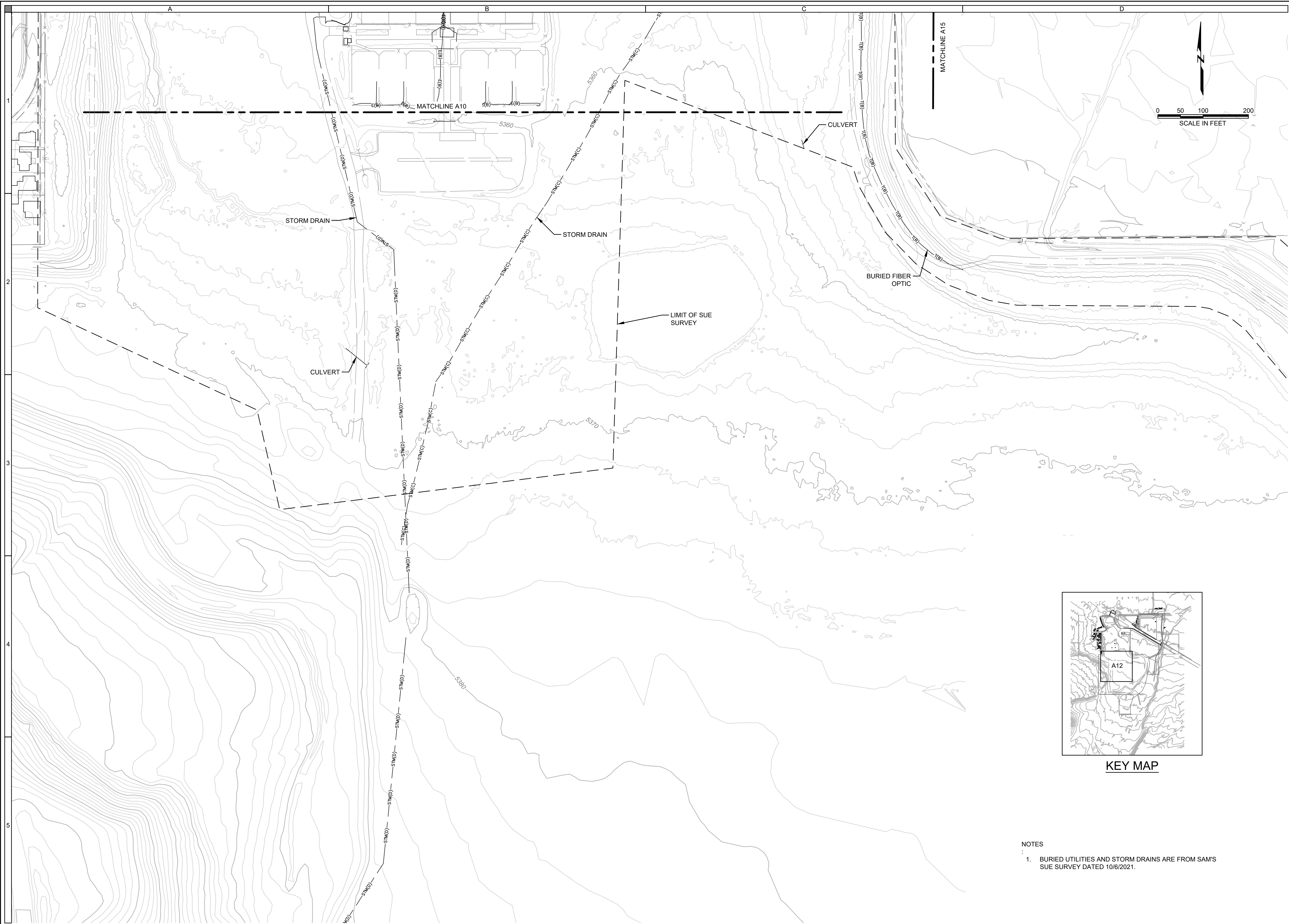
NOTE:

1. LIMIT OF LEVEE REMOVAL SHOWN ON SHEET B1.



KEY MAP

CITY OF BOULDER -
UTILITY EASEMENT



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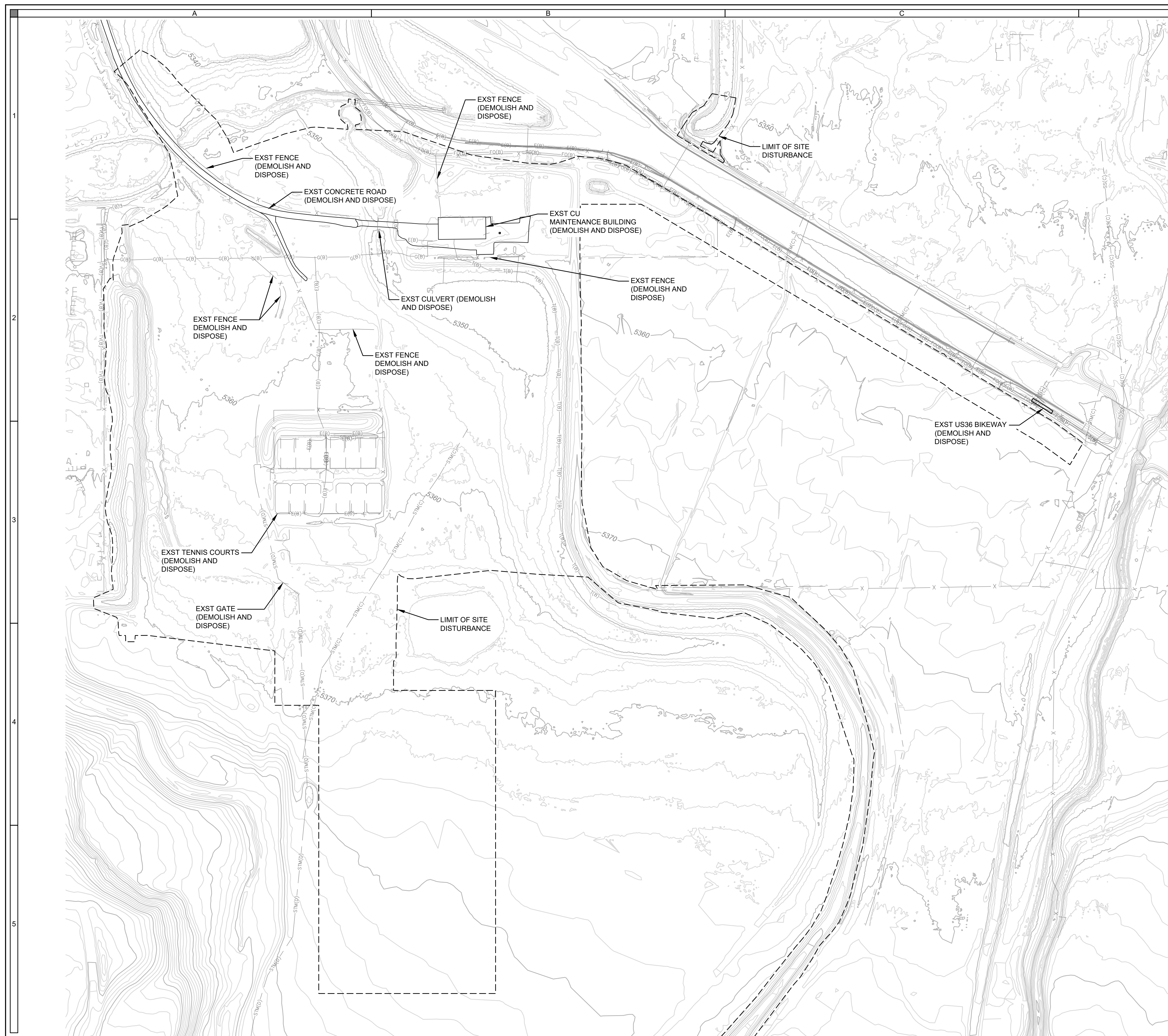
SOUTH BOULDER CREEK REGIONAL
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SITE UTILITES PLAN (3 OF 3)

SHEET ID
A12

12 OF 58

- NOTES
- BURIED UTILITIES AND STORM DRAINS ARE FROM SAM'S SUE SURVEY DATED 10/6/2021.



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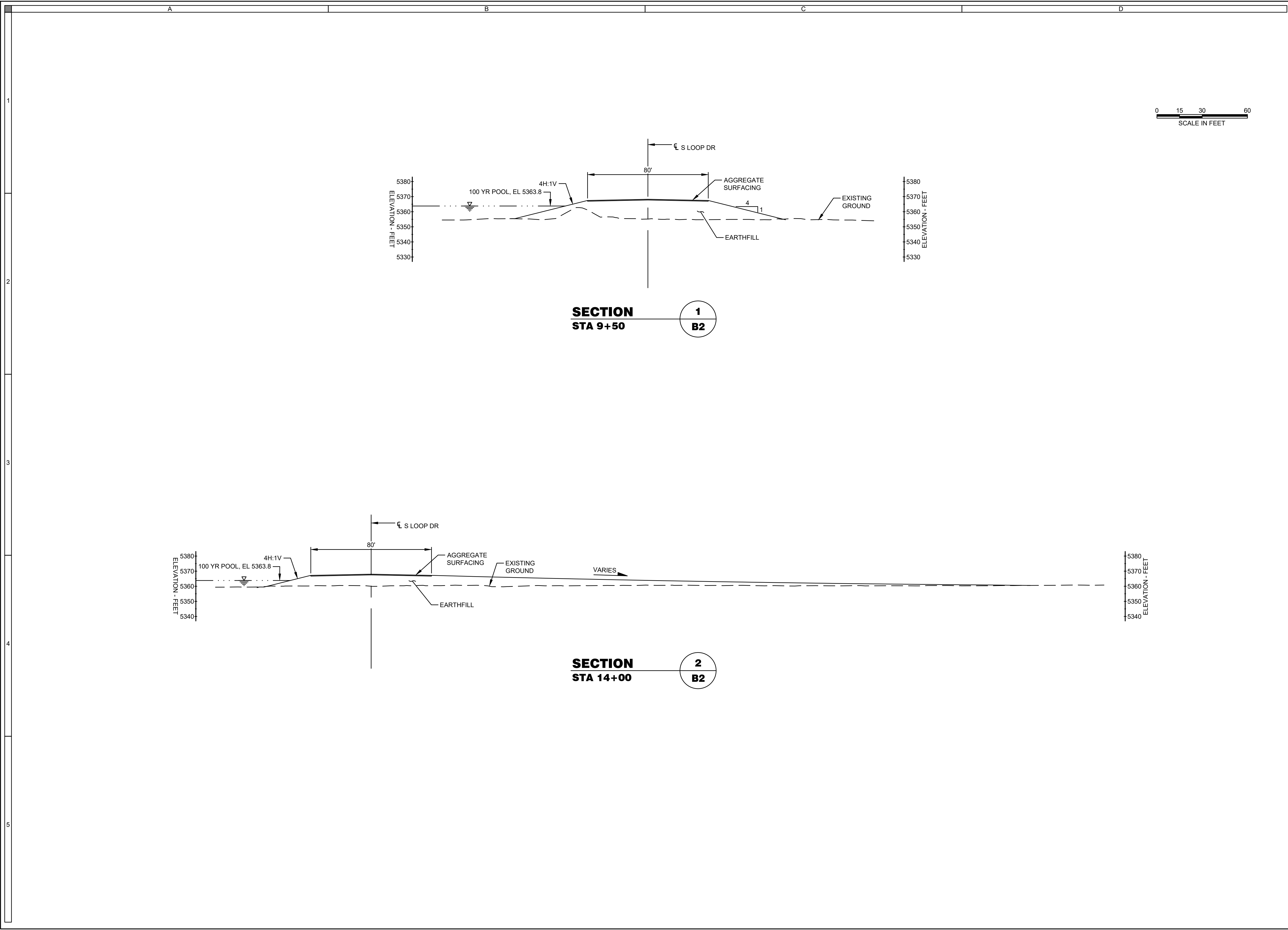
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SITE DEMOLITION PLAN

SHEET ID
A13

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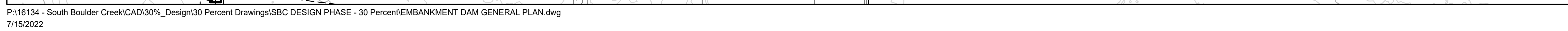
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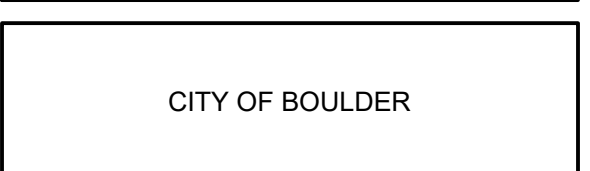
S. LOOP DR EARTH FILL SECTIONS

SHEET ID
B3

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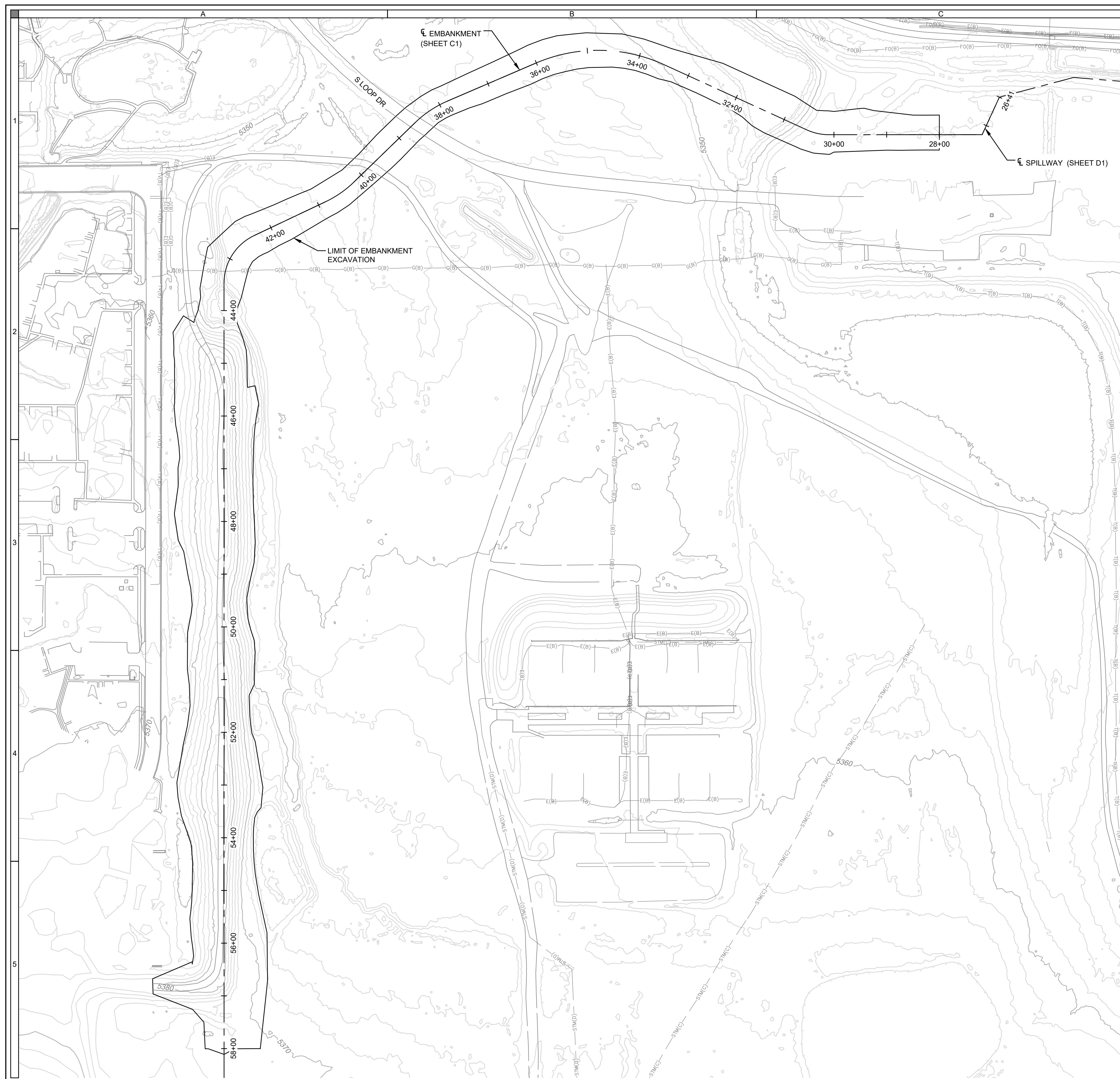
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SHEET ID
C1
19 OF 58



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EXCAVATION PLAN

SHEET ID
C2

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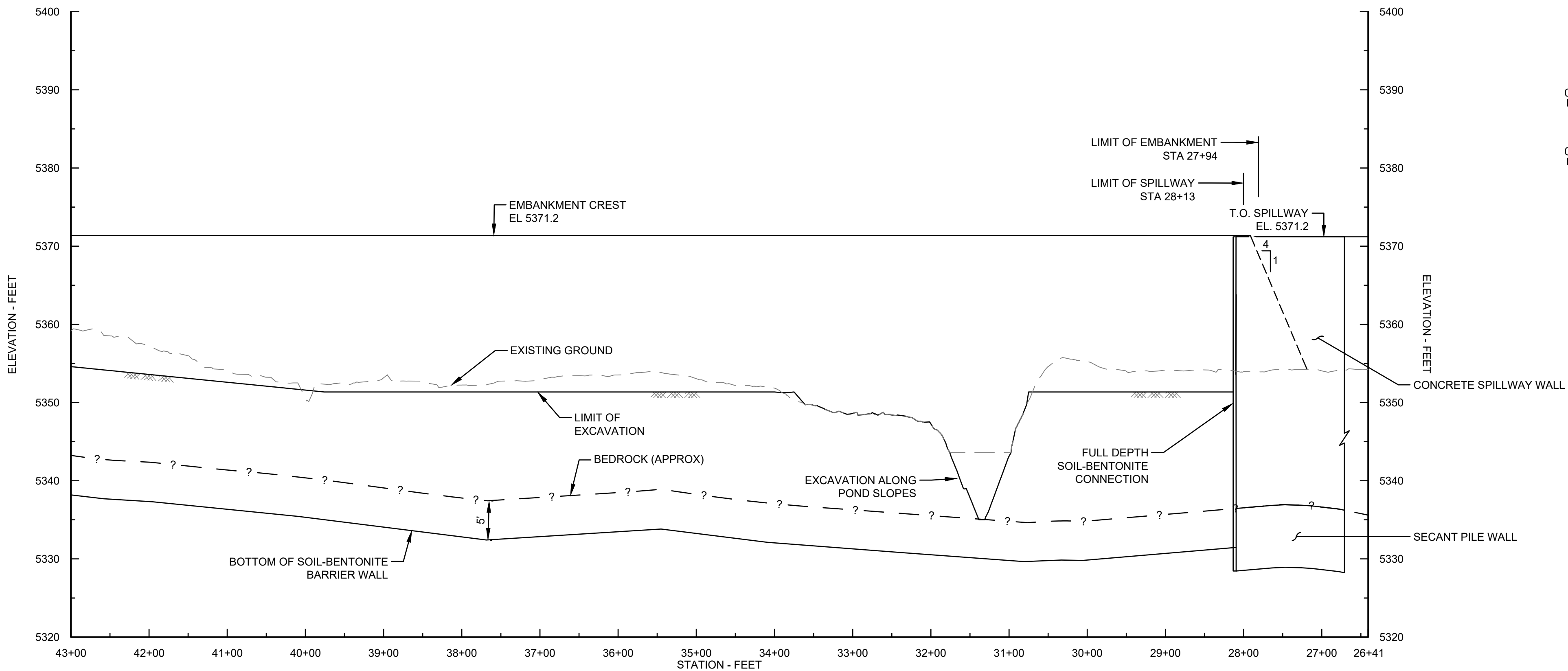
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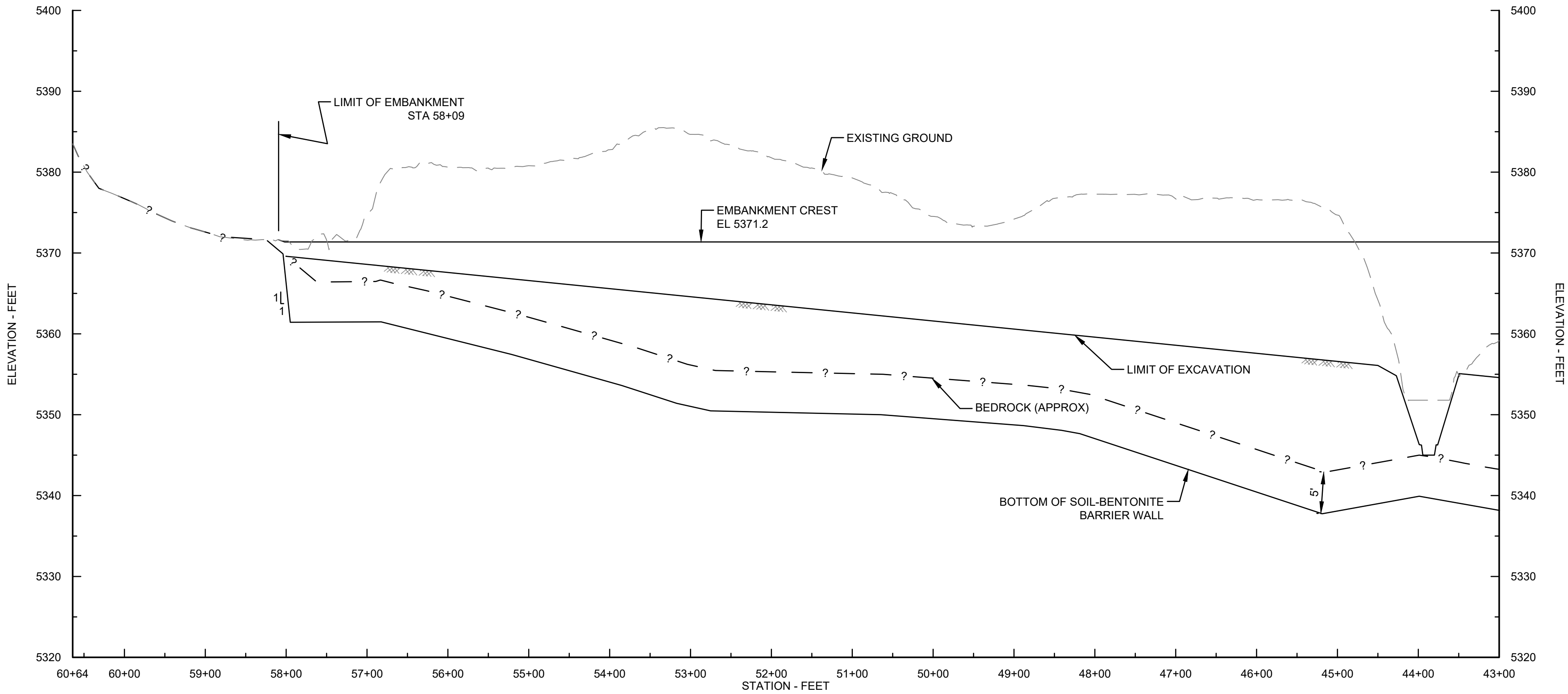
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PROFILE



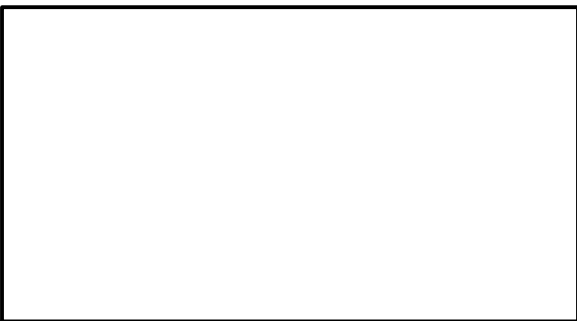
PROFILE



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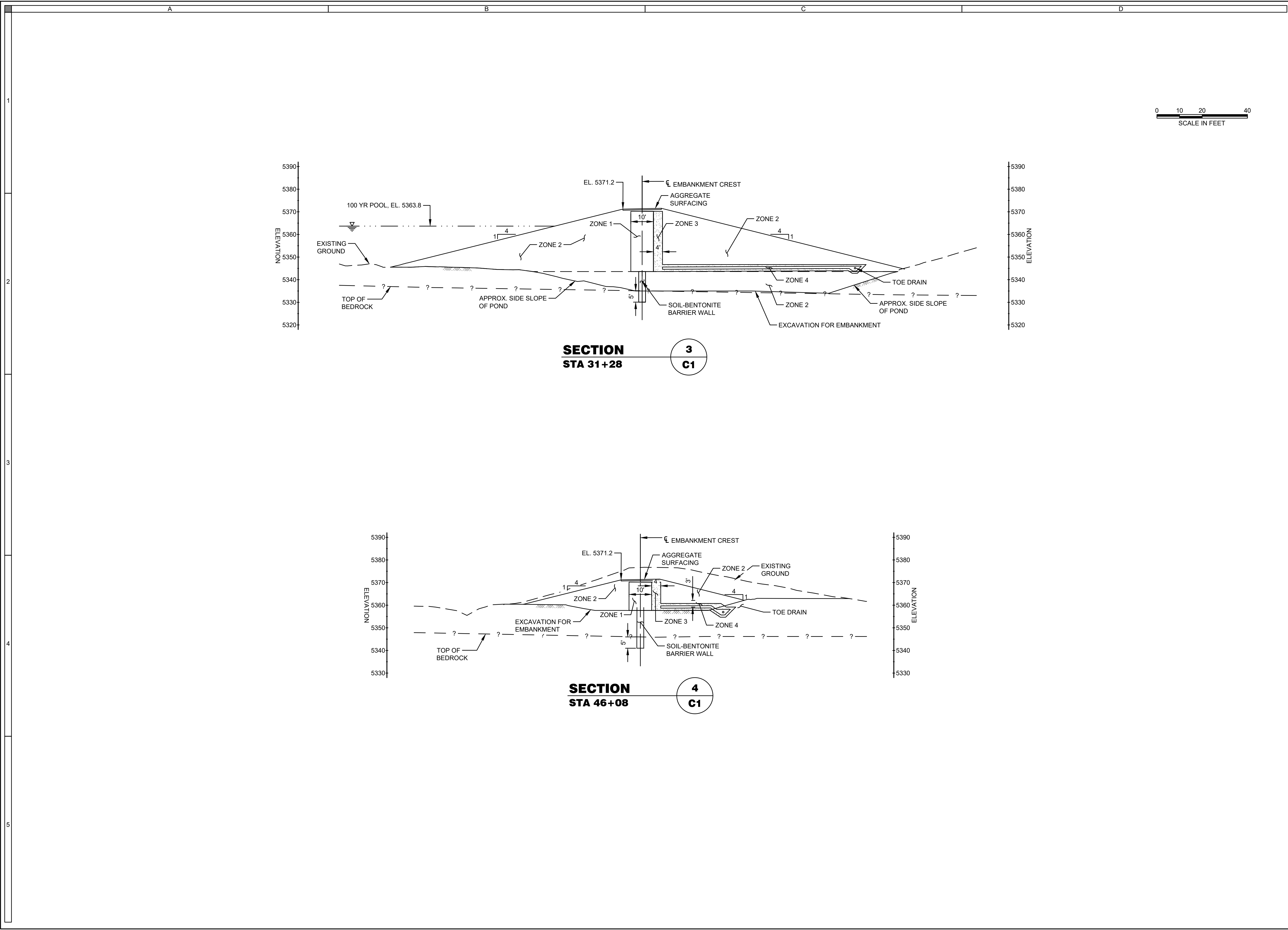
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SOUTH BOULDER CREEK REGIONAL
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EMBANKMENT DAM - CENTERLINE
PROFILE

SHEET ID
C3

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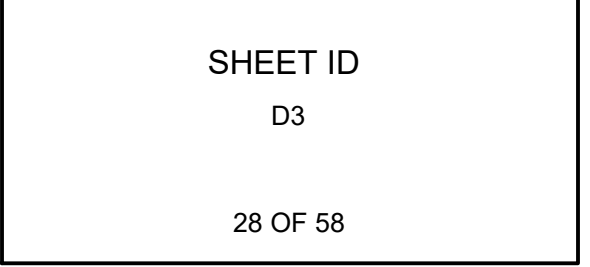
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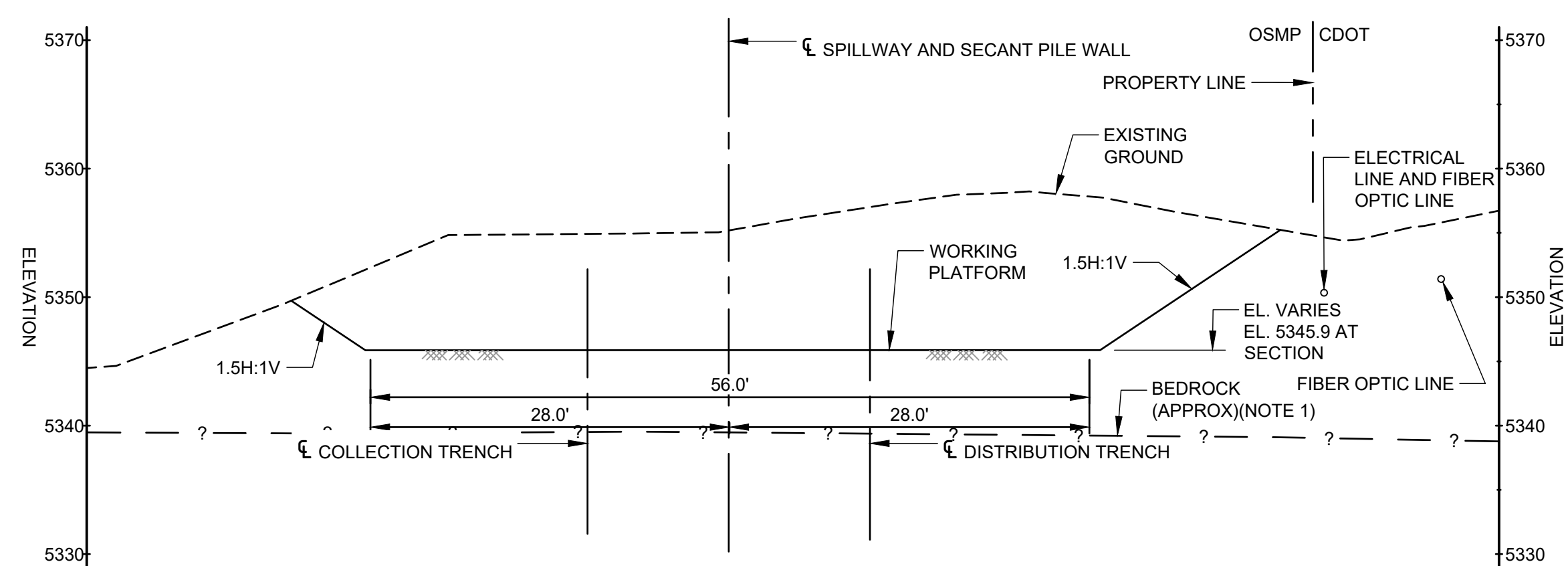
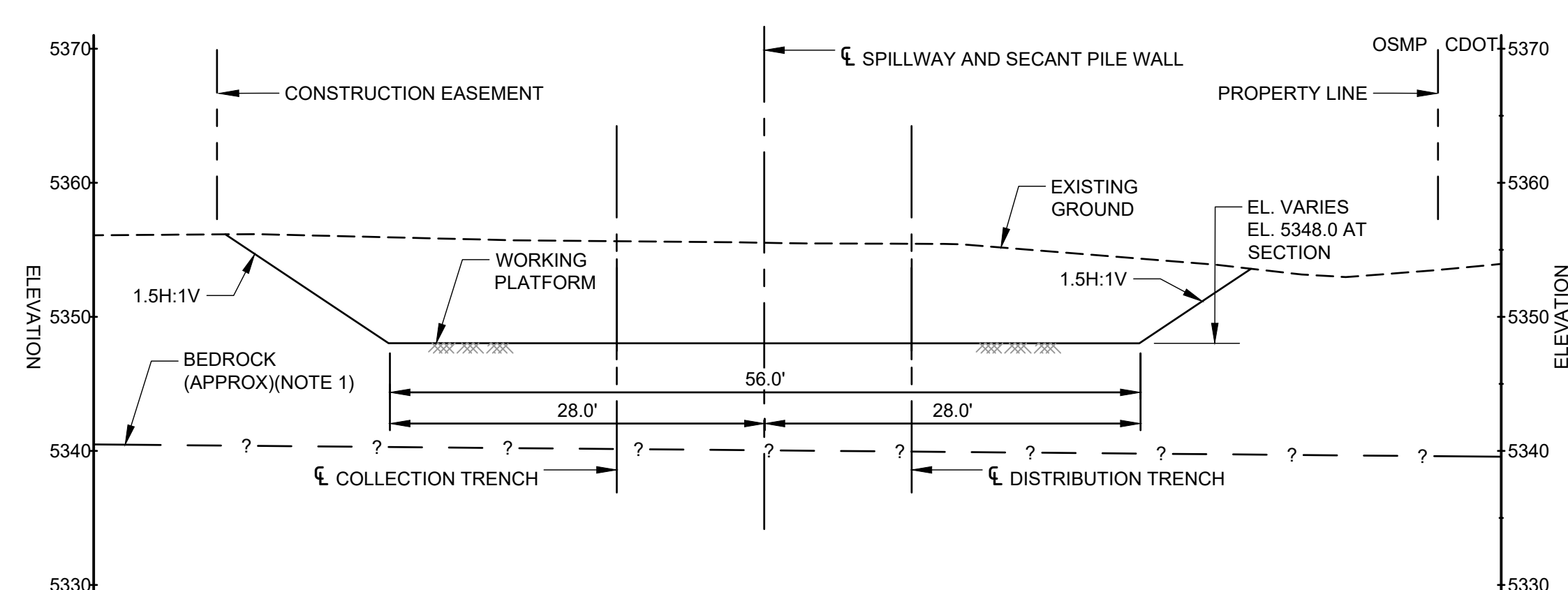
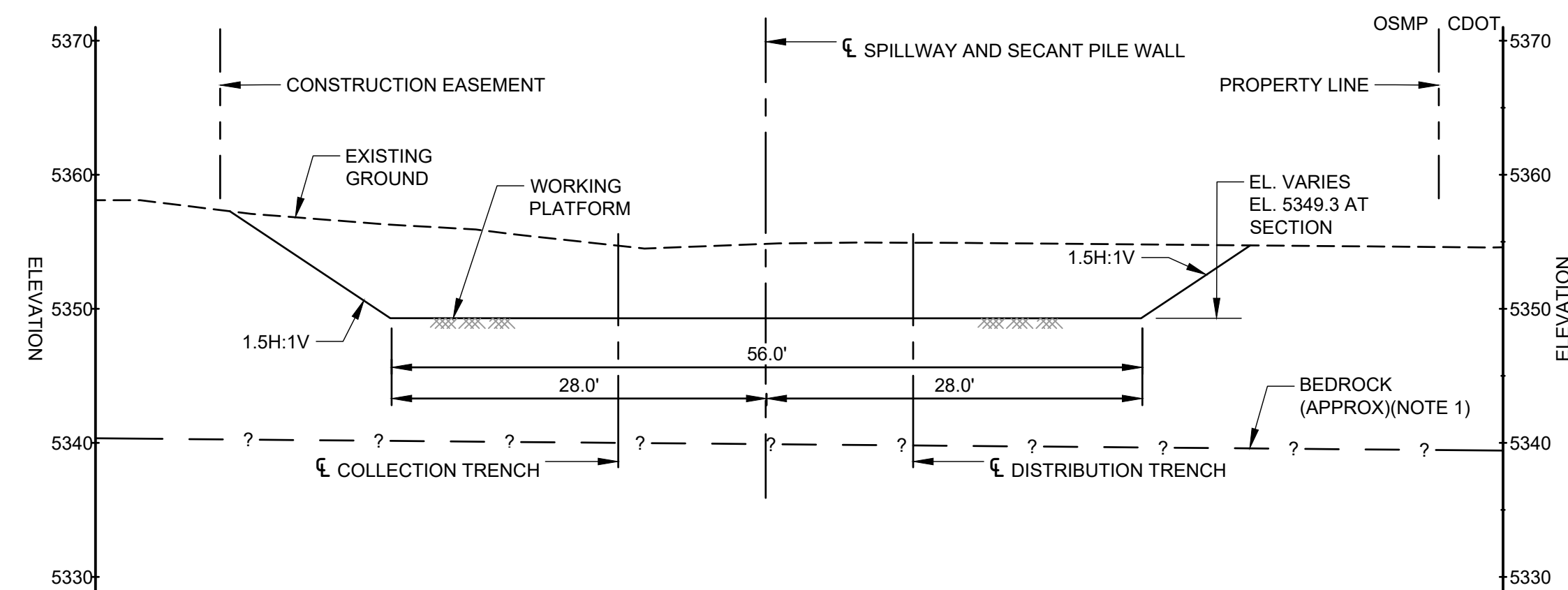
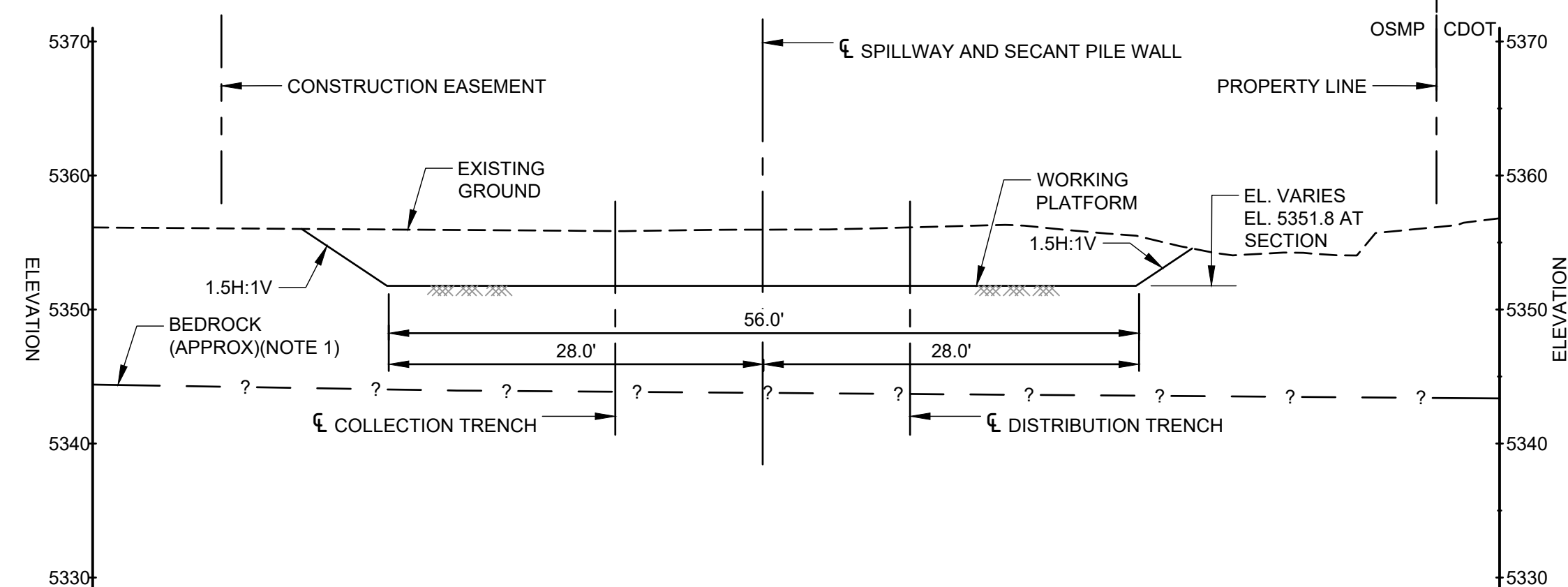
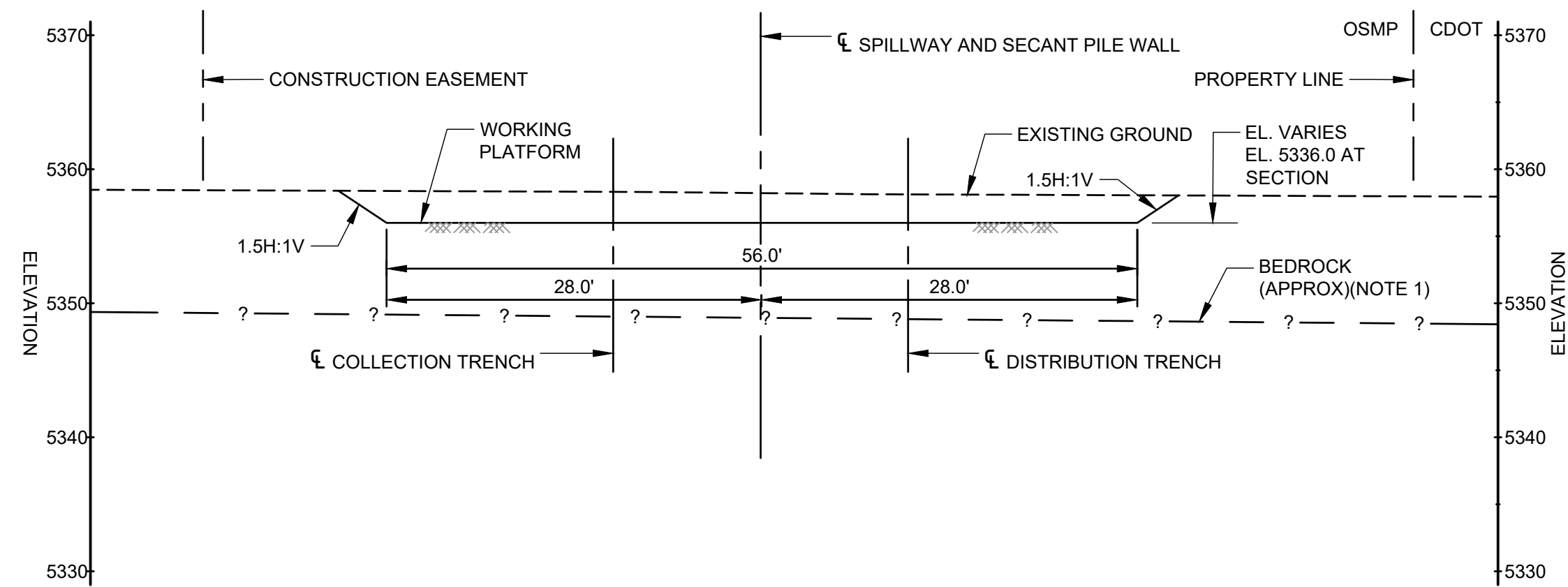
SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

EMBANKMENT DAM - SECTIONS

SHEET ID
C4

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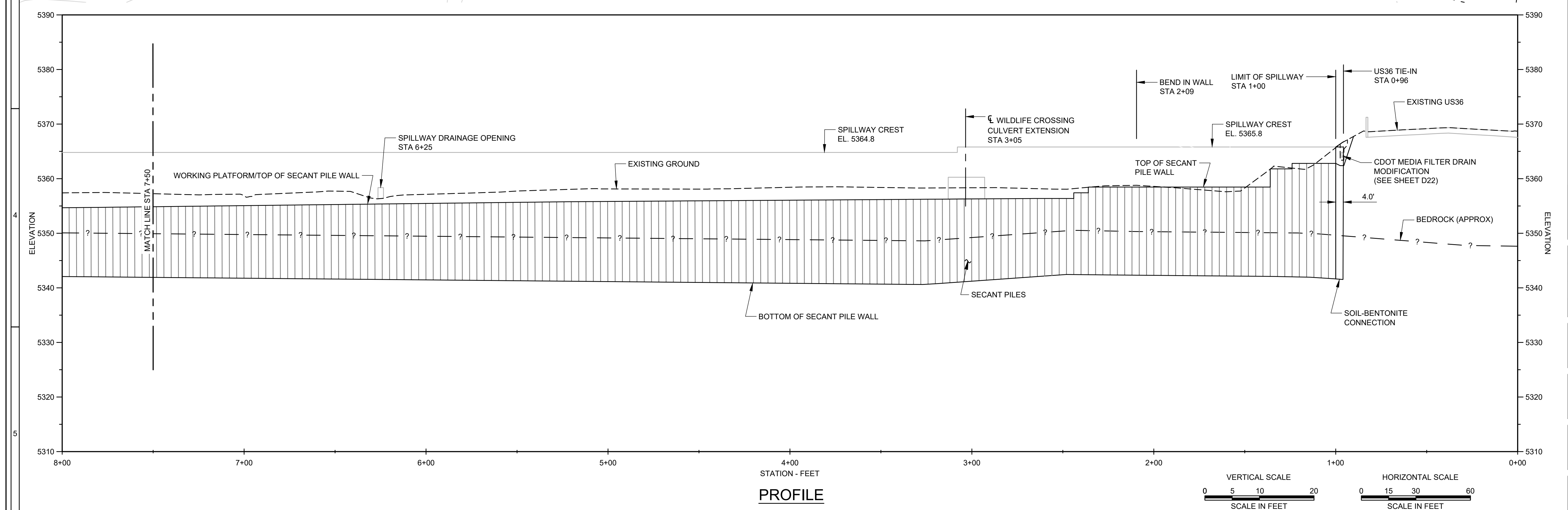
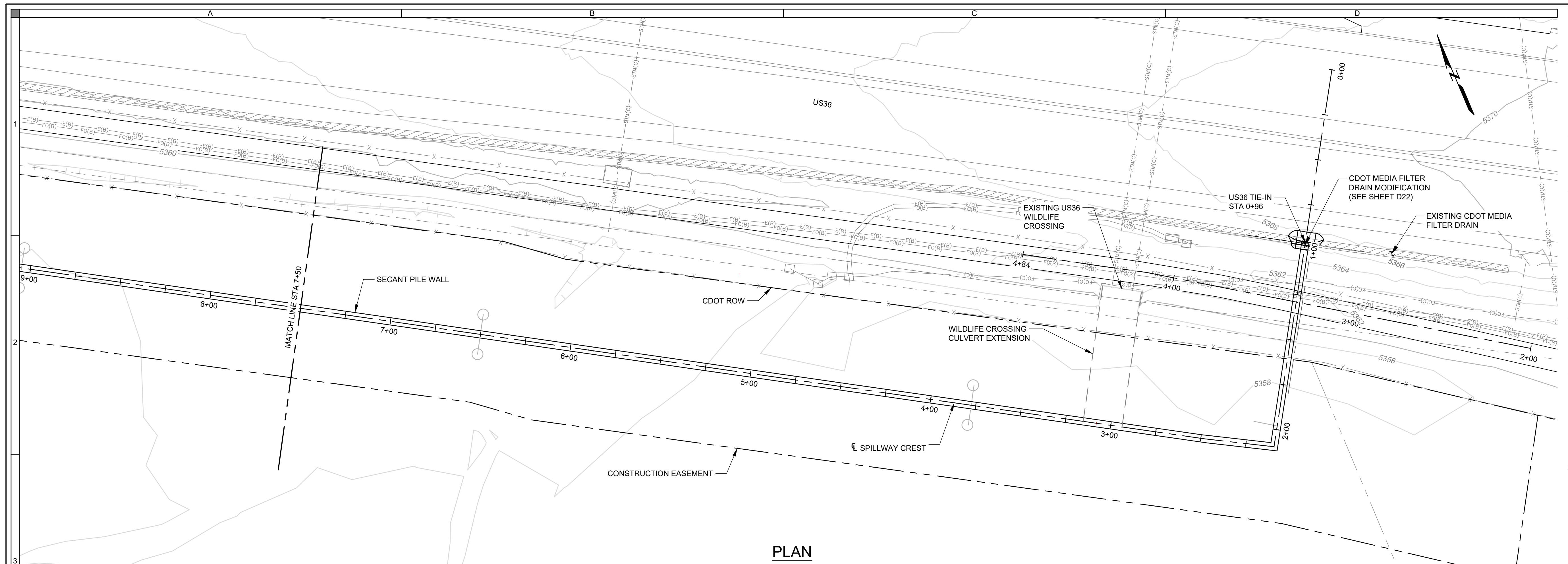
SPILLWAY EXCAVATION SECTIONS

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D4

29 OF 58

NOTE:

1. BEDROCK SURFACE WAS ESTIMATED FROM GEOTECHNICAL BORING DATA AND GEOPHYSICAL SURVEY DATA.

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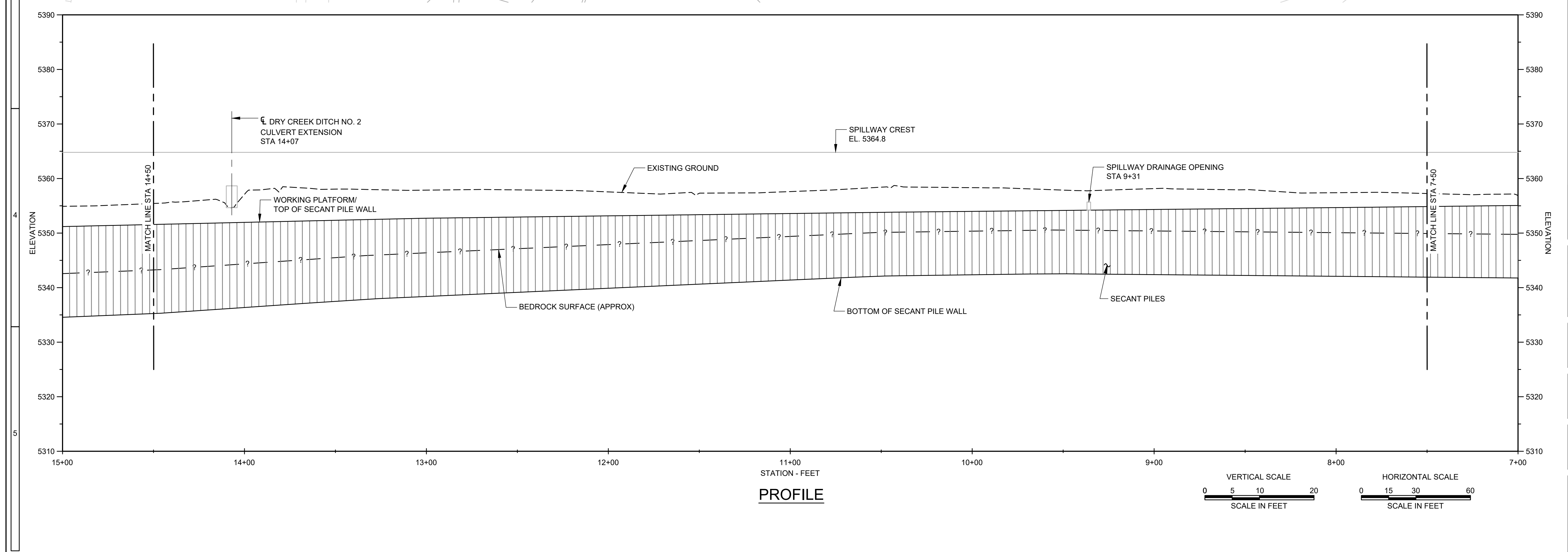
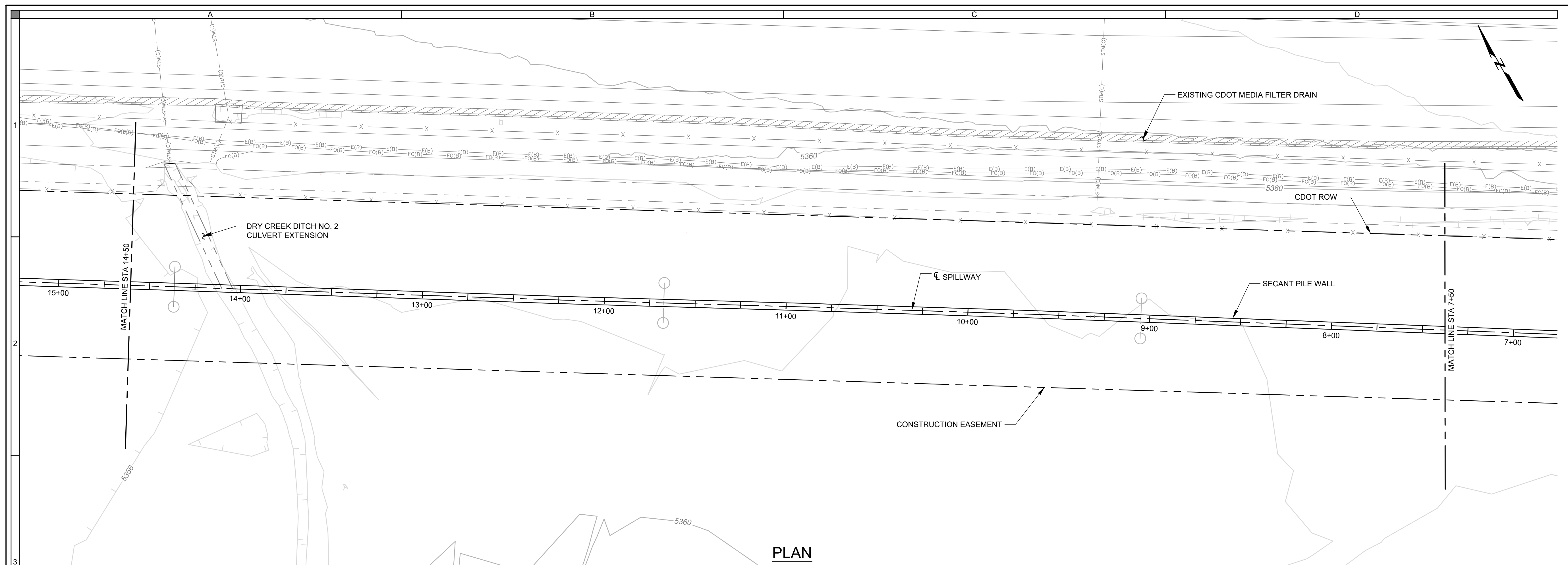
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SECANT PILE WALL PLAN AND PROFILE
(1 OF 4)

SHEET ID
D5
30 OF 58

CITY OF BOULDER

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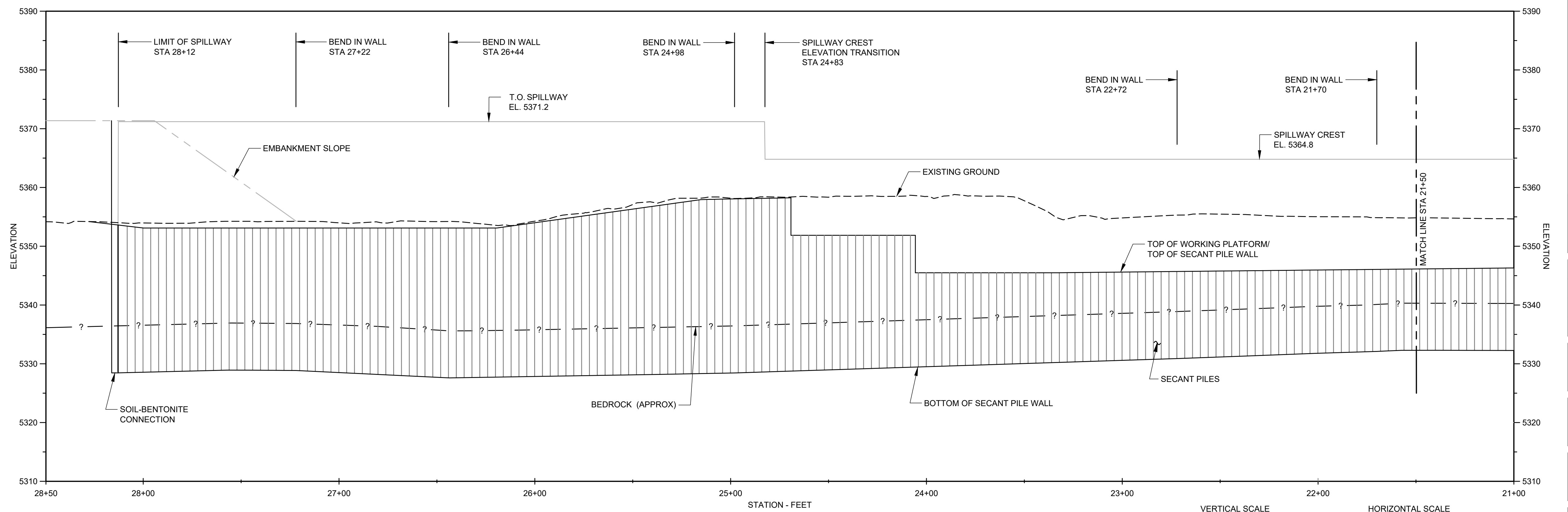
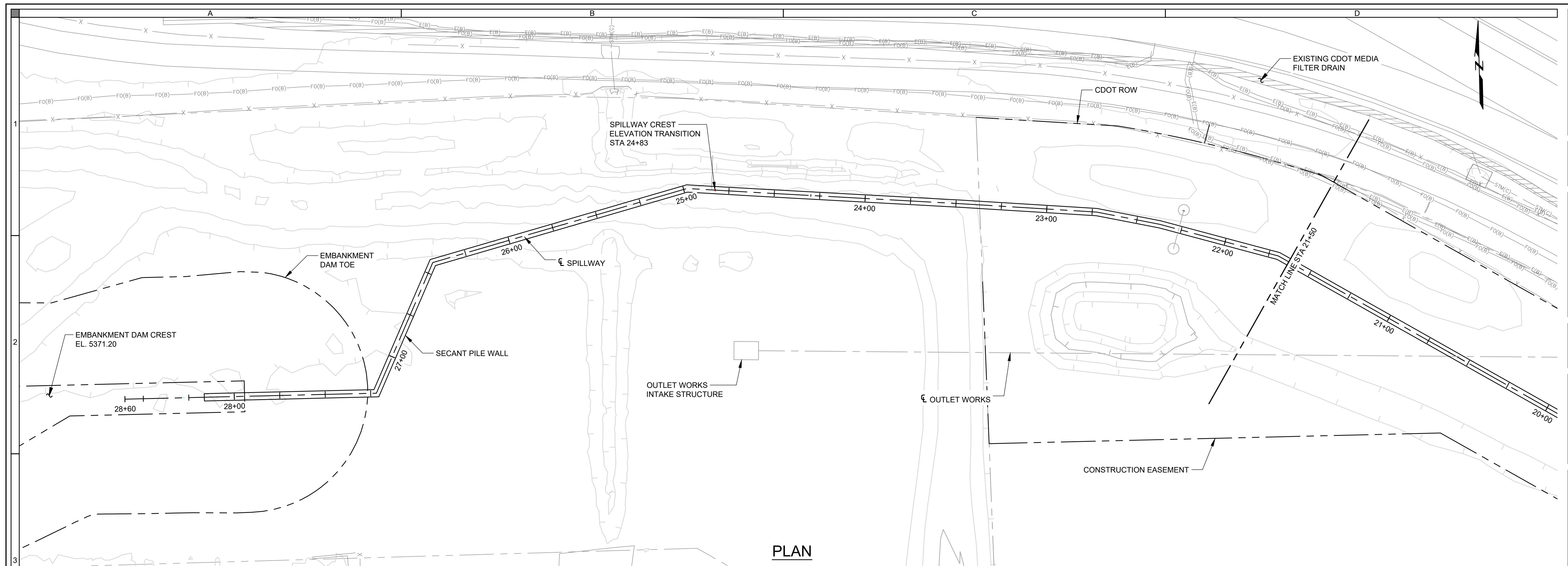
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SECANT PILE WALL PLAN AND PROFILE
(2 OF 4)

SHEET ID
D6
31 OF 58

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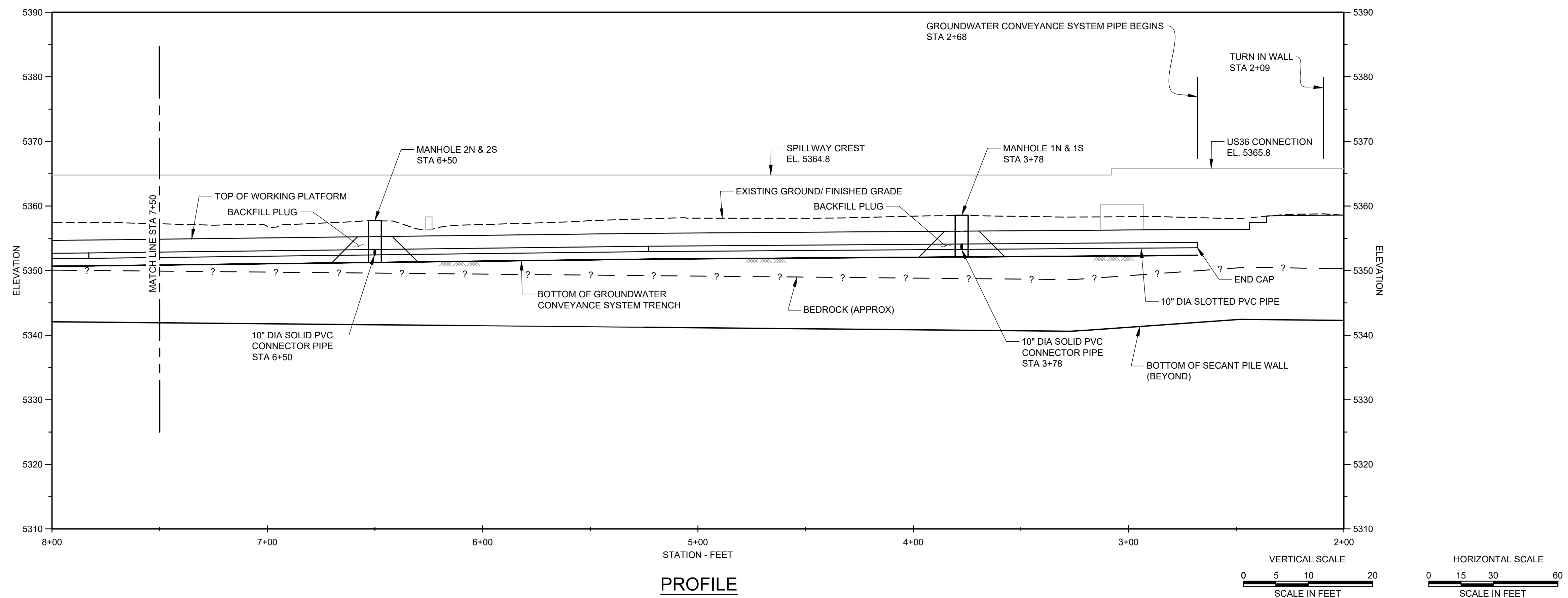
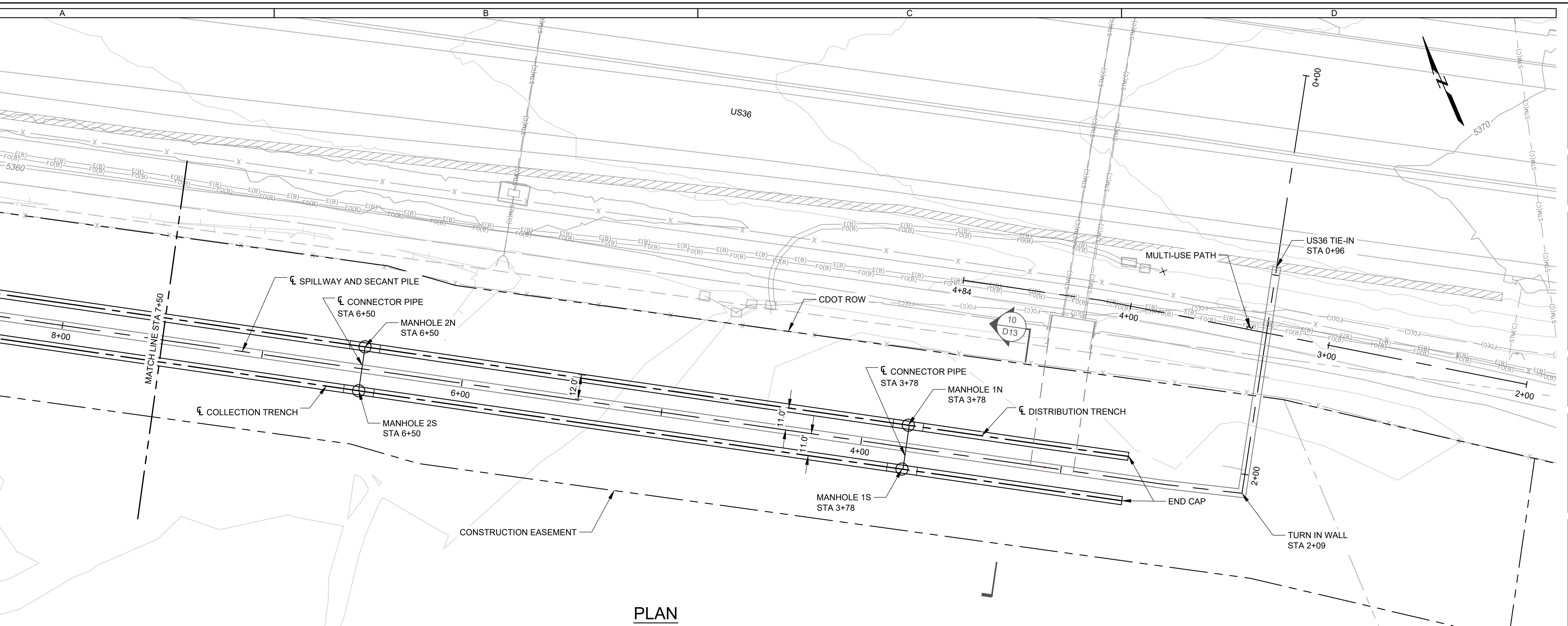
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SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SECANT PILE WALL PLAN AND PROFILE
(4 OF 4)

SHEET ID
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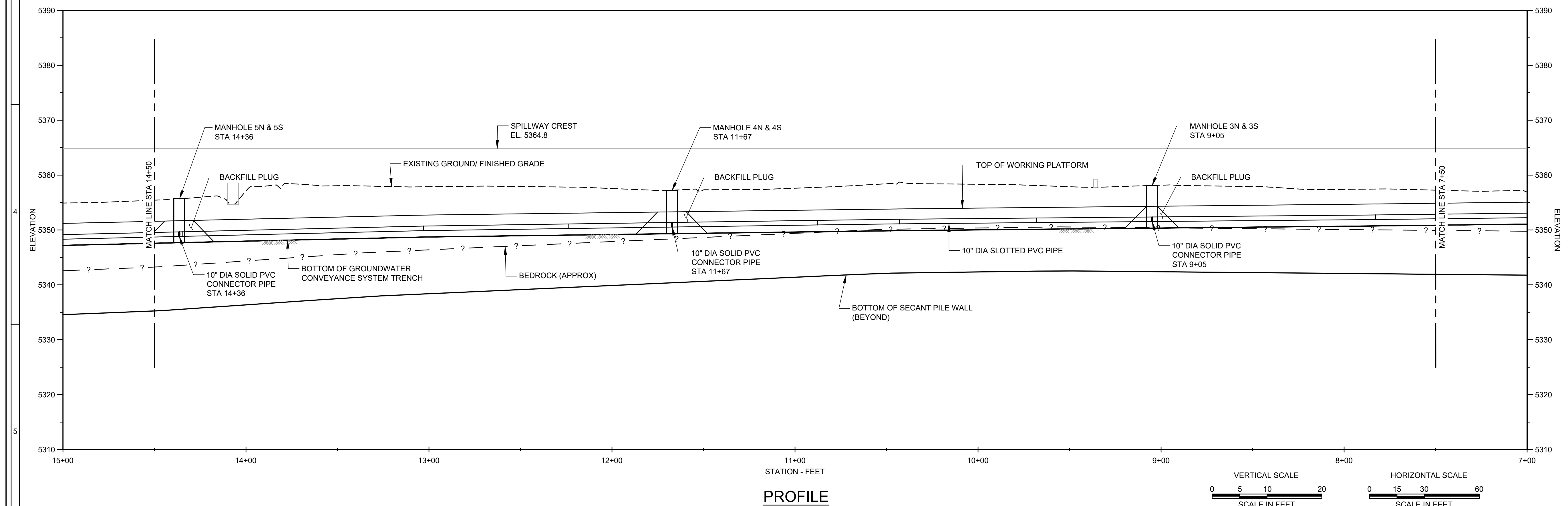
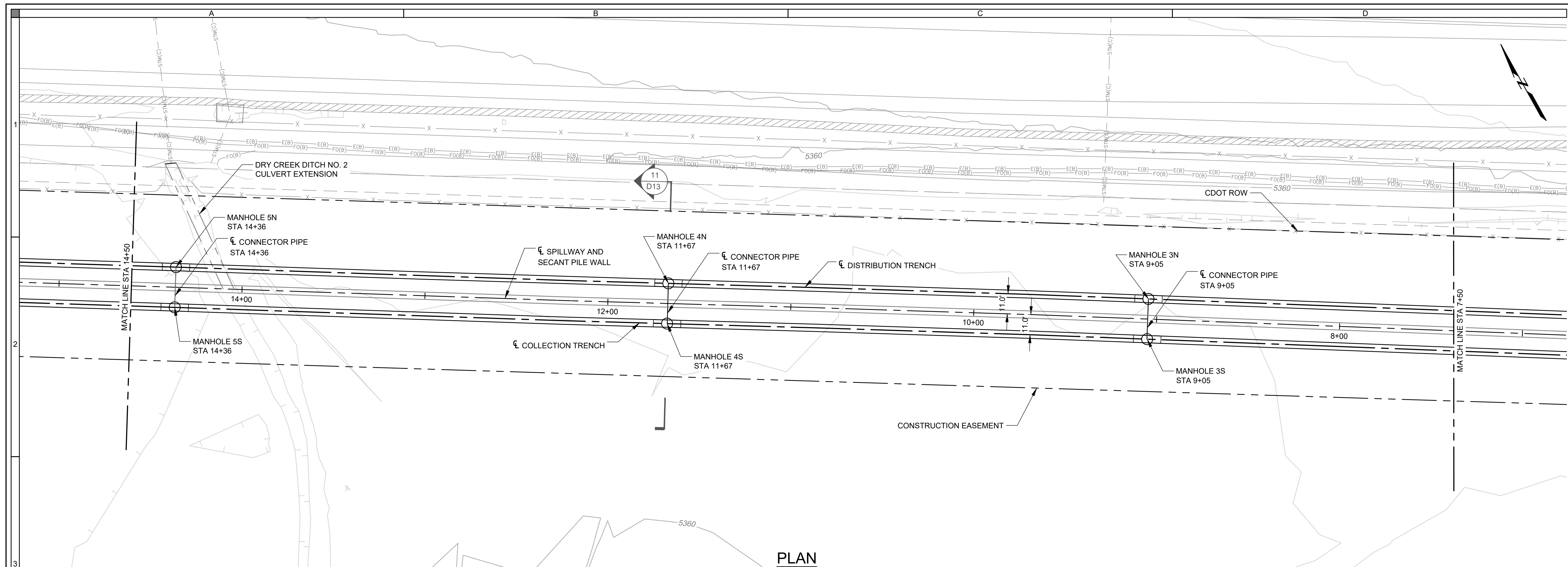
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SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

GROUNDWATER CONVEYANCE
SYSTEM - PLAN AND PROFILE (1 OF 4)

SHEET ID
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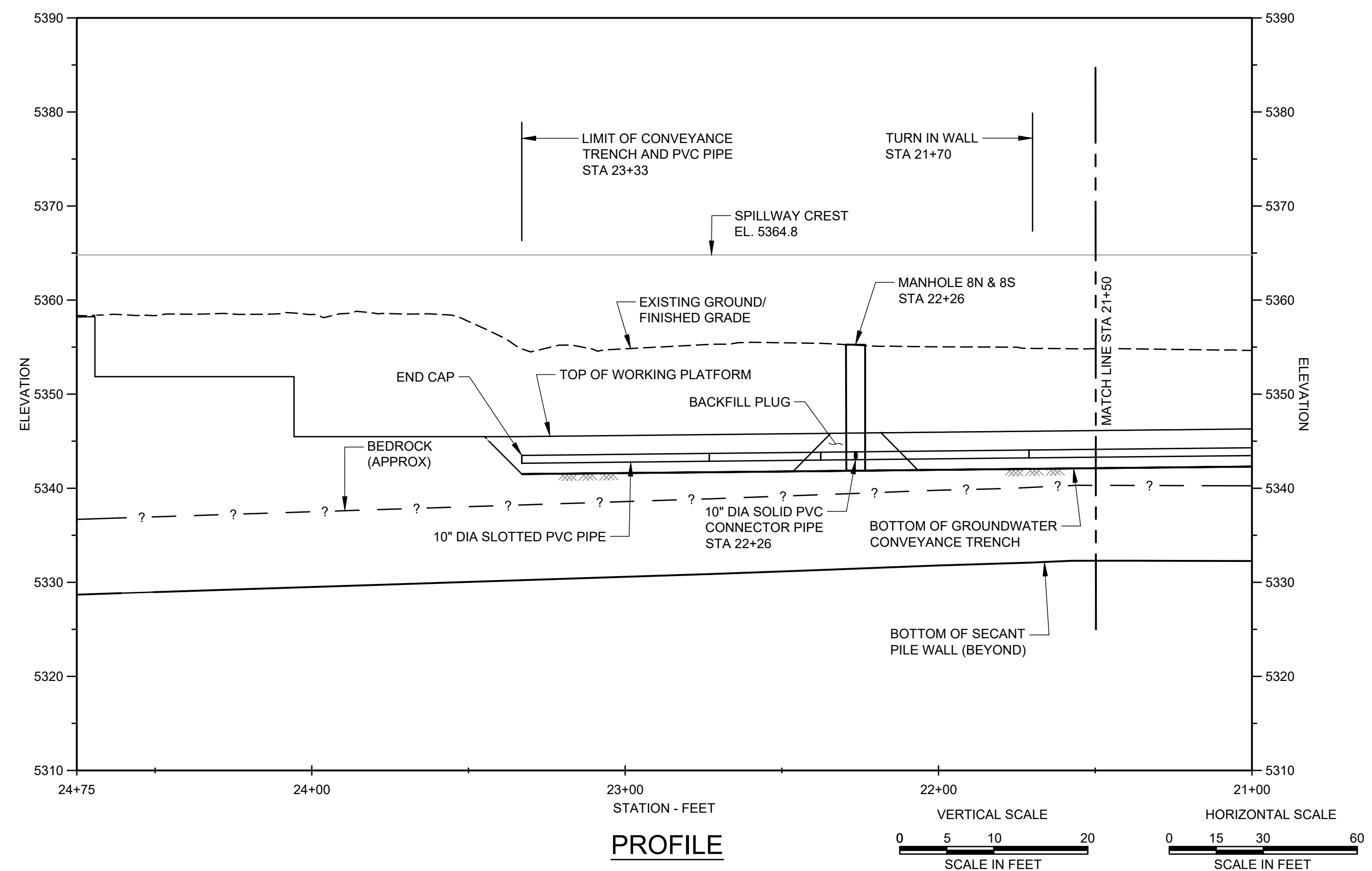
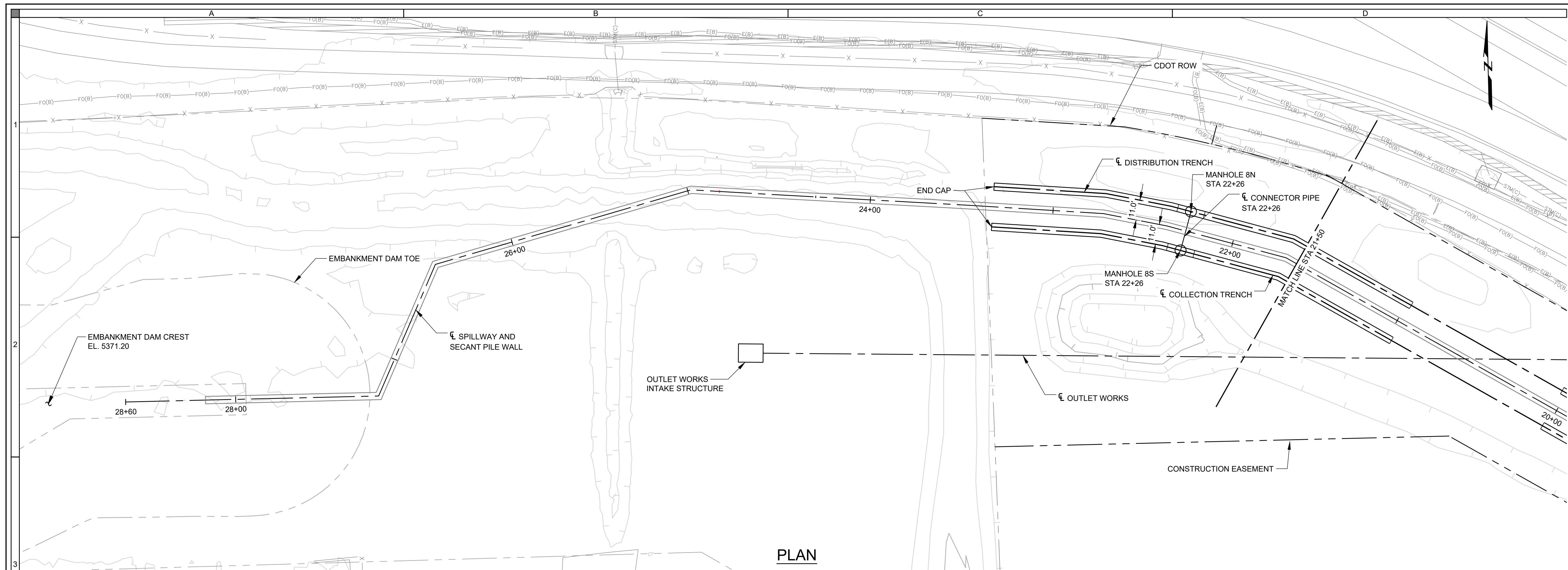
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SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

GROUNDWATER CONVEYANCE
SYSTEM - PLAN AND PROFILE (2 OF 4)

SHEET ID
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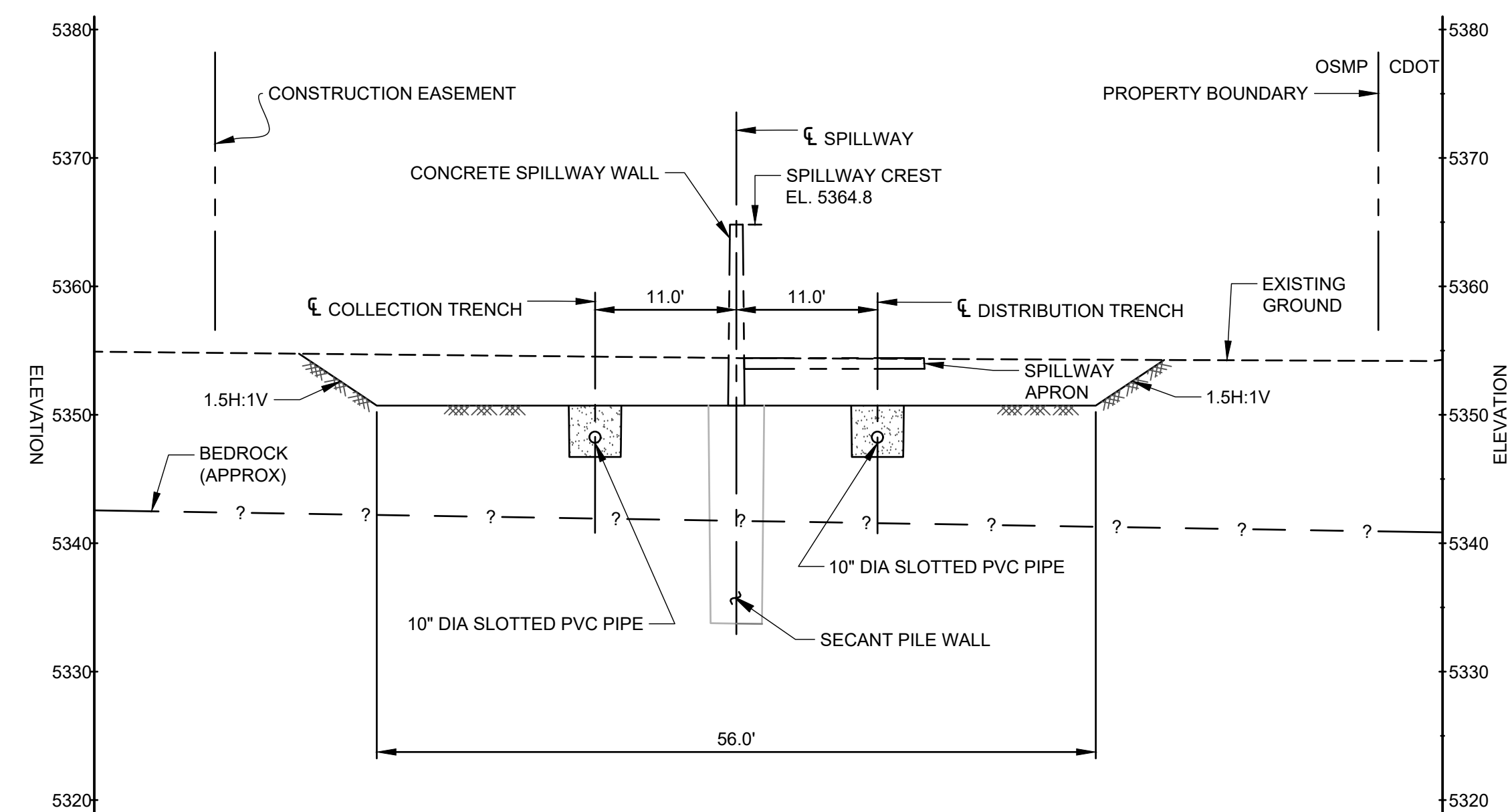
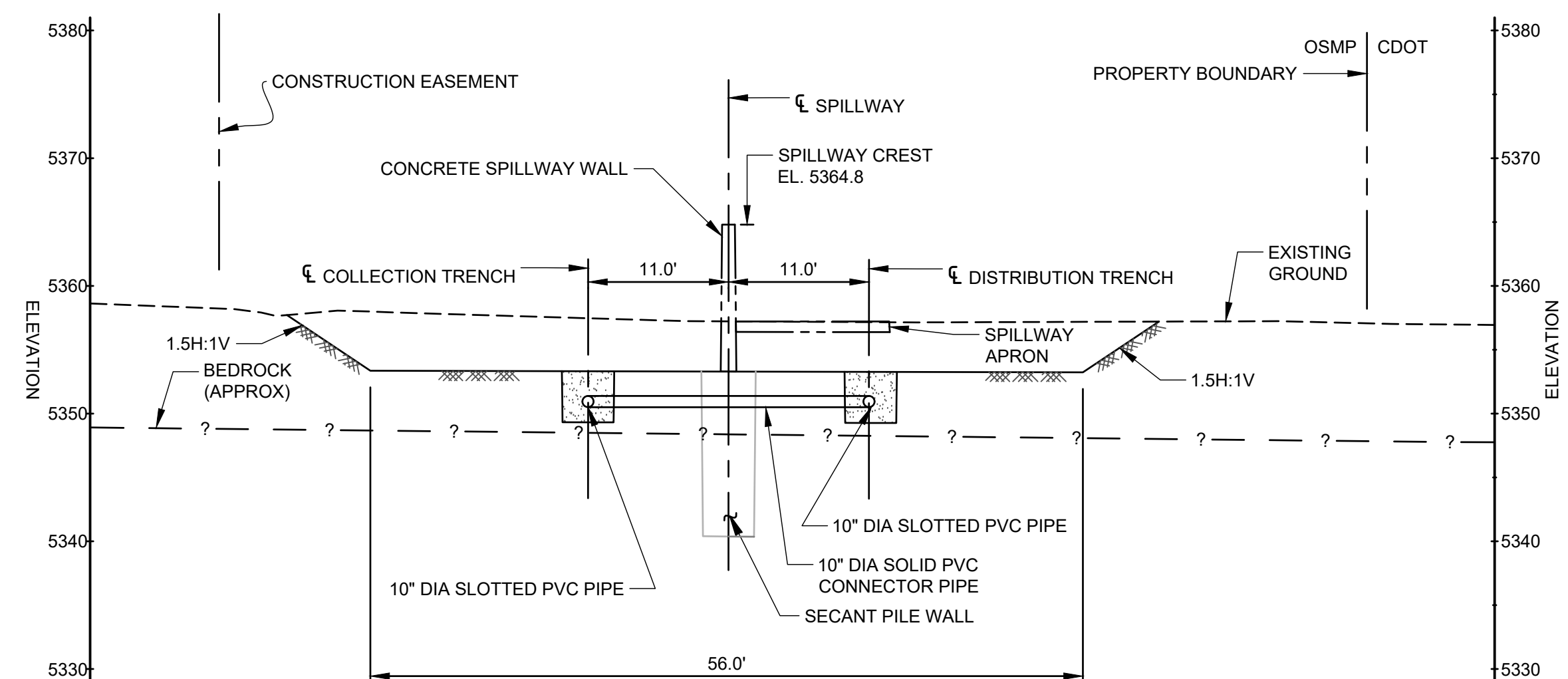
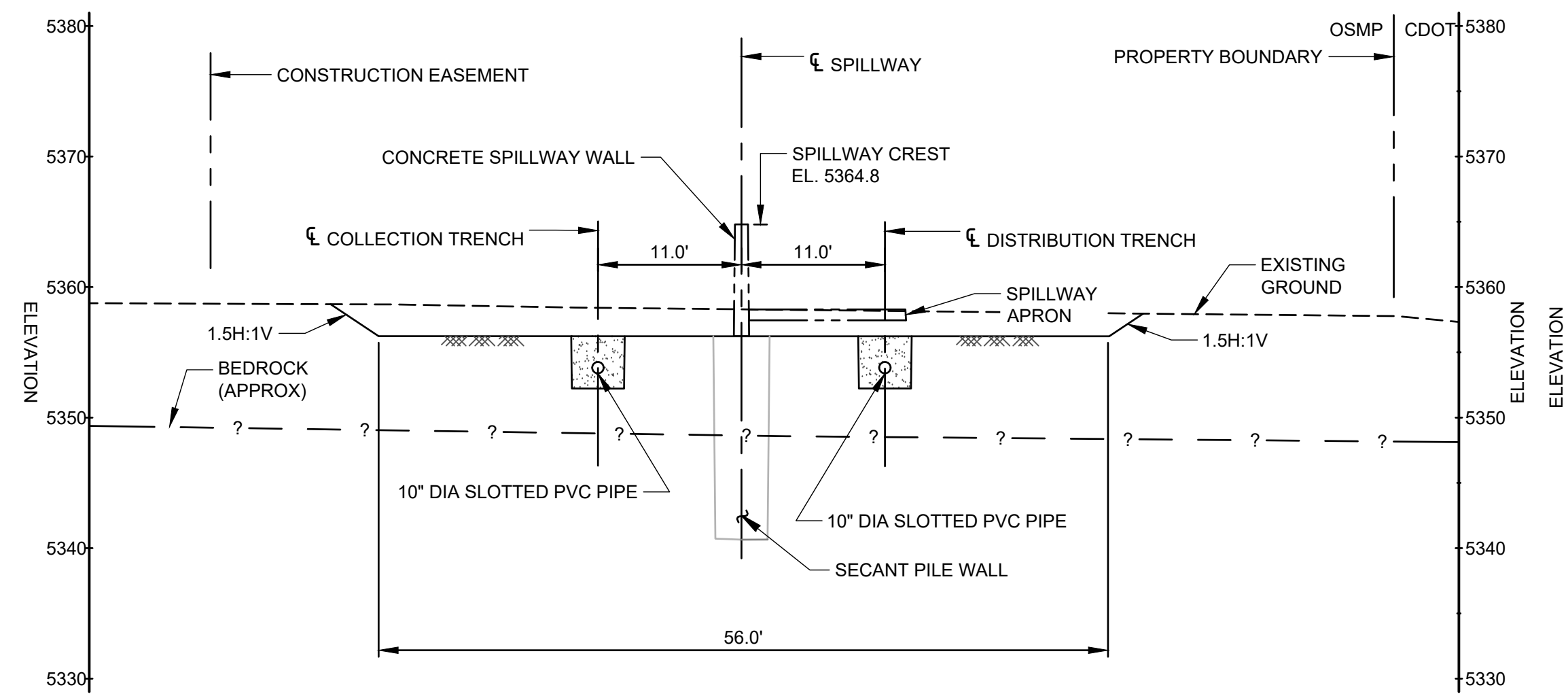
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DETENTION FACILITY

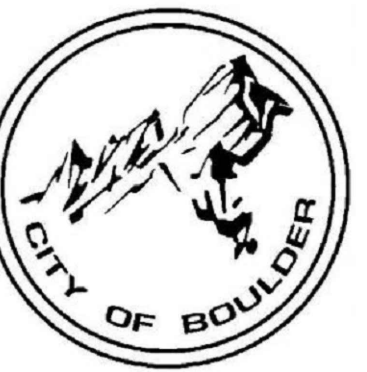
GROUNDWATER CONVEYANCE
SYSTEM - PLAN AND PROFILE (4 OF 4)

SHEET ID
D12

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CITY OF BOULDER

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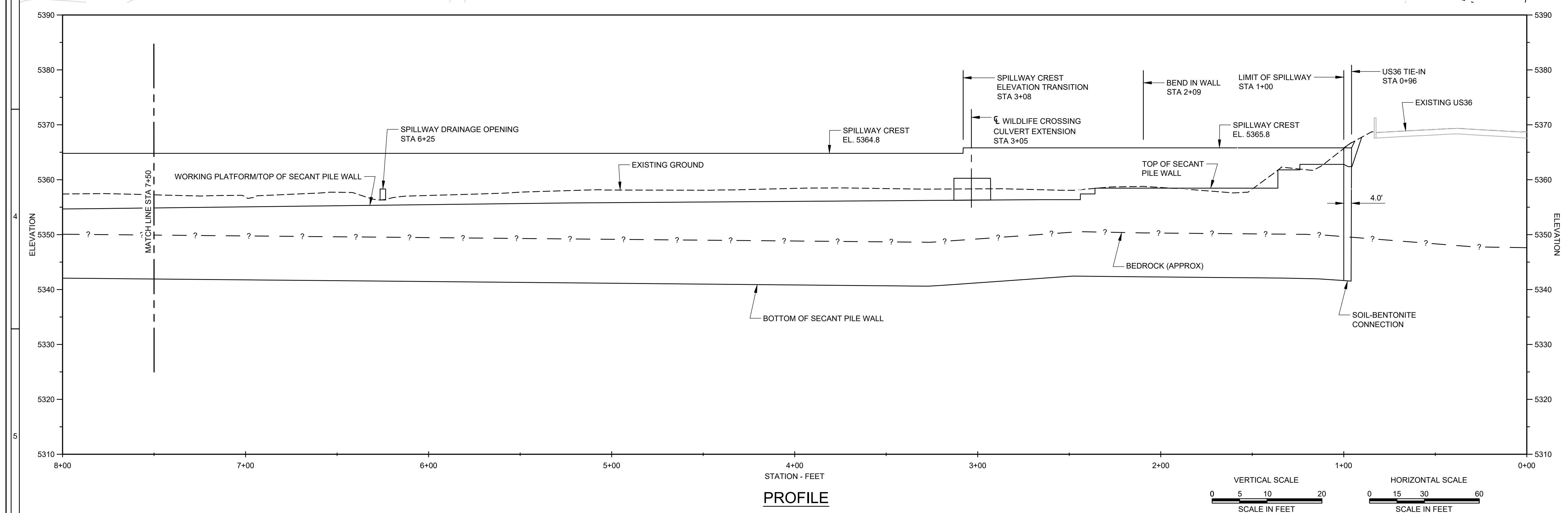
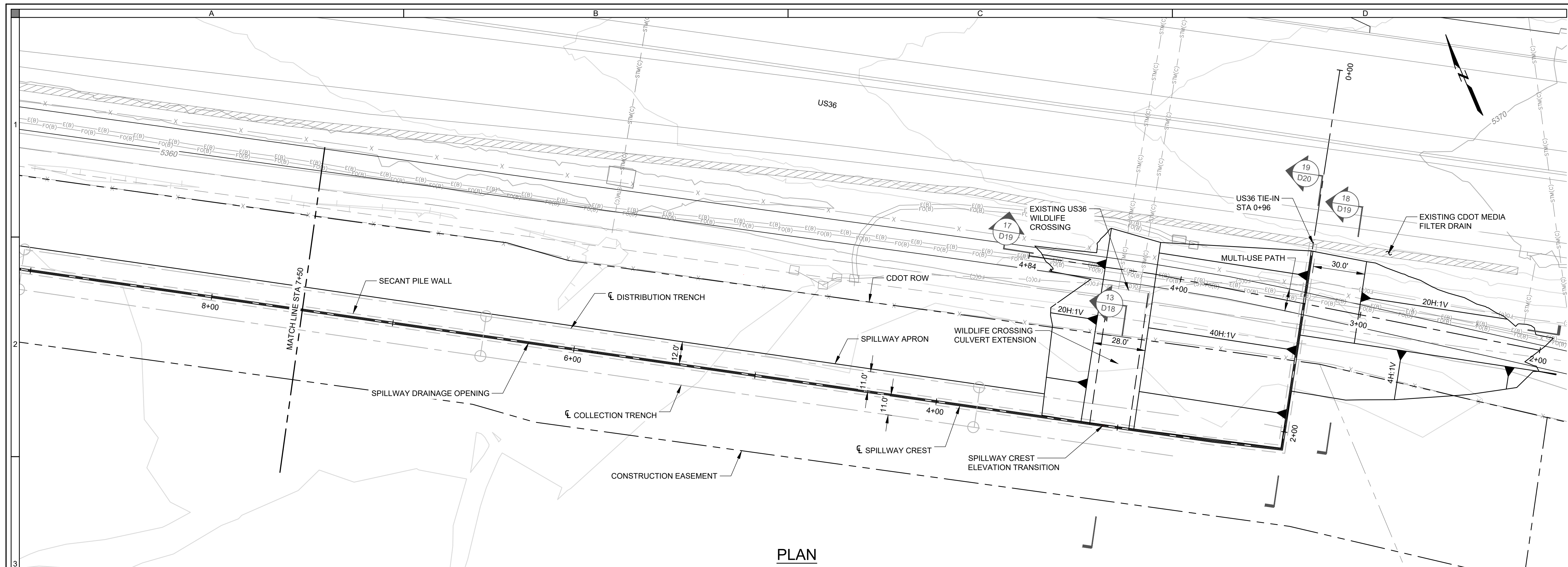
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

GROUNDWATER CONVEYANCE SYSTEM - SECTIONS

SHEET ID
D13

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[illegible]

DESIGNED BY:	DATE	XXX
DRAWN BY:	DATE	XXX
CHECKED BY:	DATE	XXX
APPROVED BY:	DATE	XXX

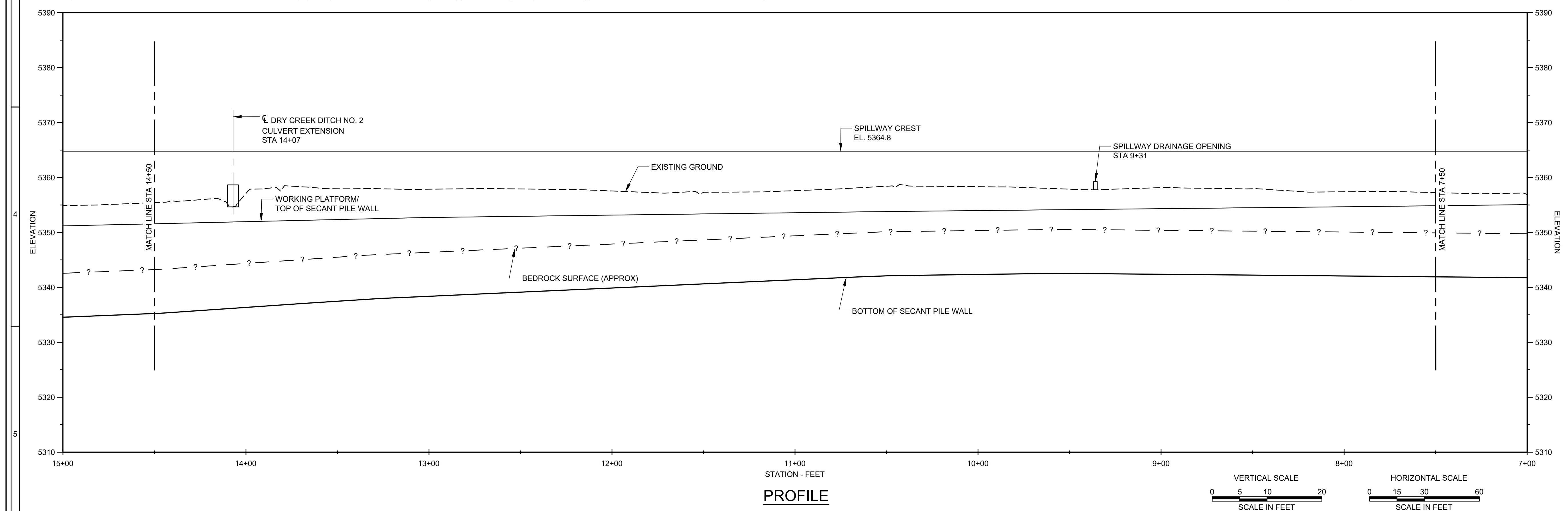
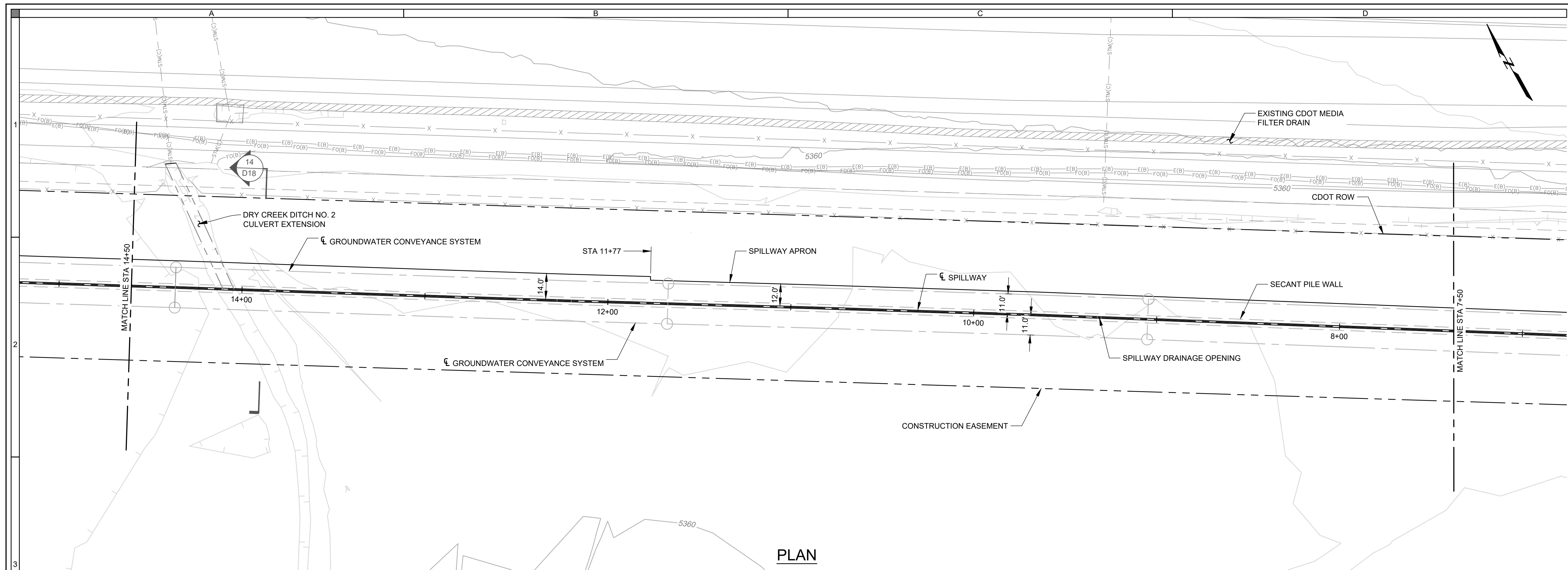
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY PLAN AND PROFILE (1 OF 4)

SHEET ID
D14

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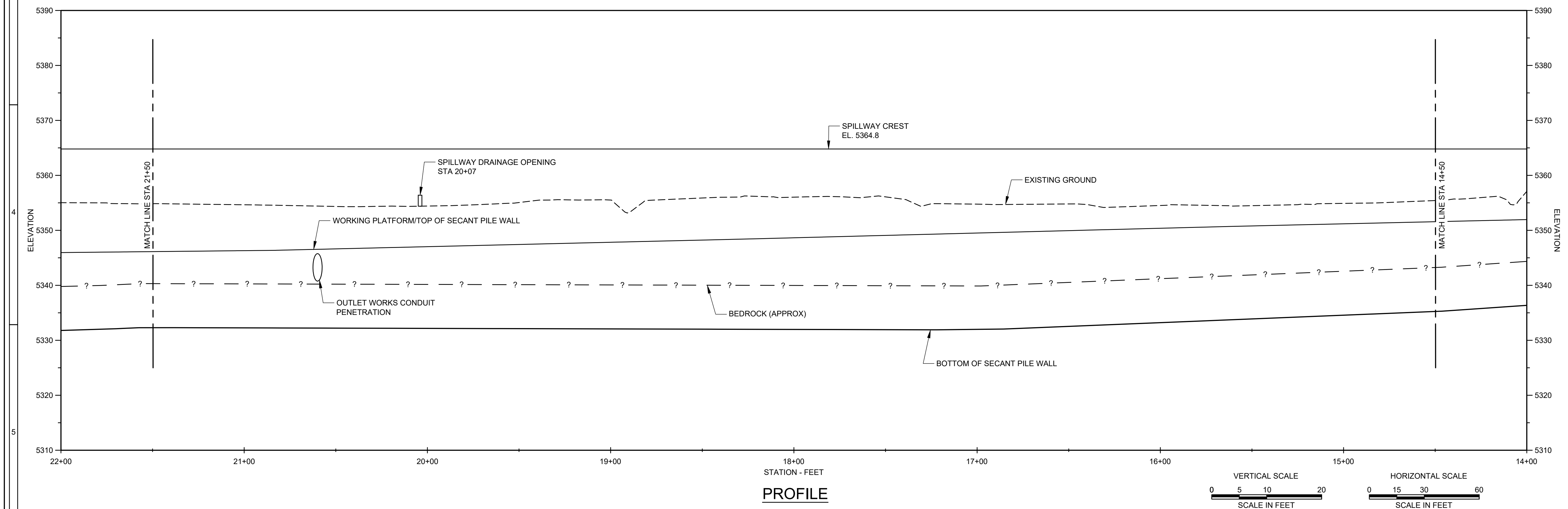
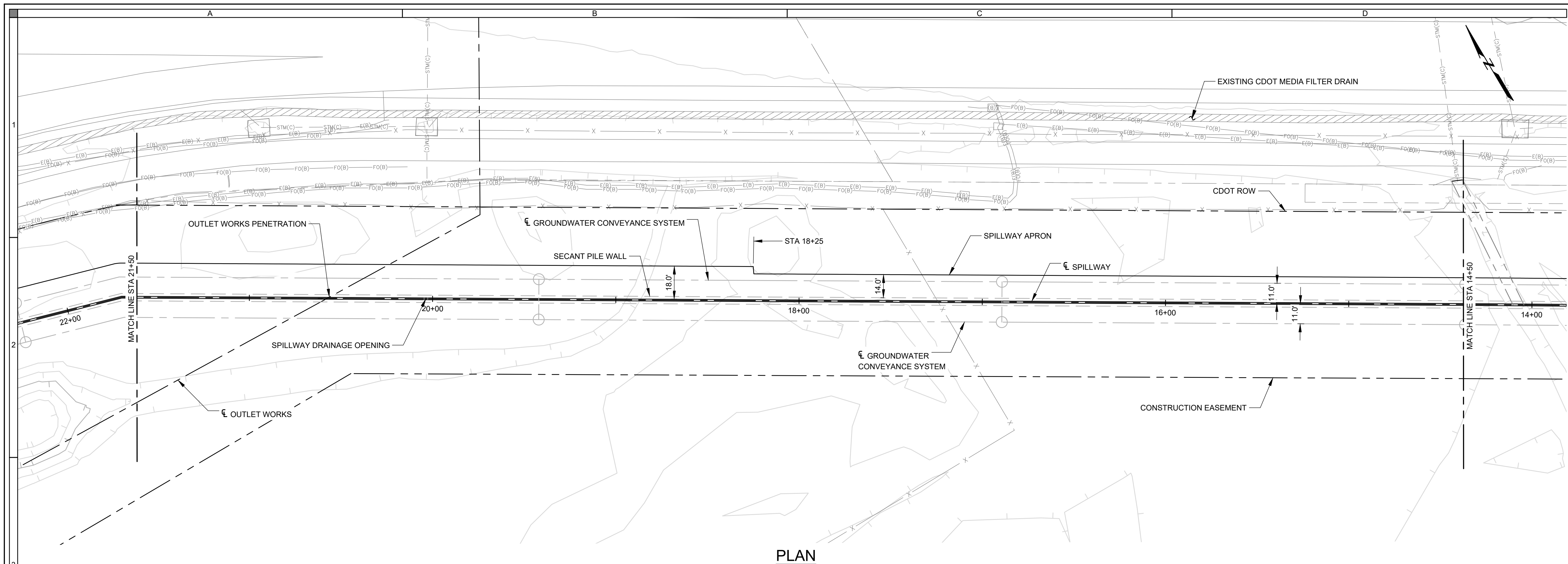
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APPROVED BY:	DATE	XXX

RJH PROJECT NUMBER
16134

**SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY**

SPILLWAY PLAN AND PROFILE (2 OF 4)

SHEET ID
D15
40 OF 58

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DRAWN BY:	DATE	XXX
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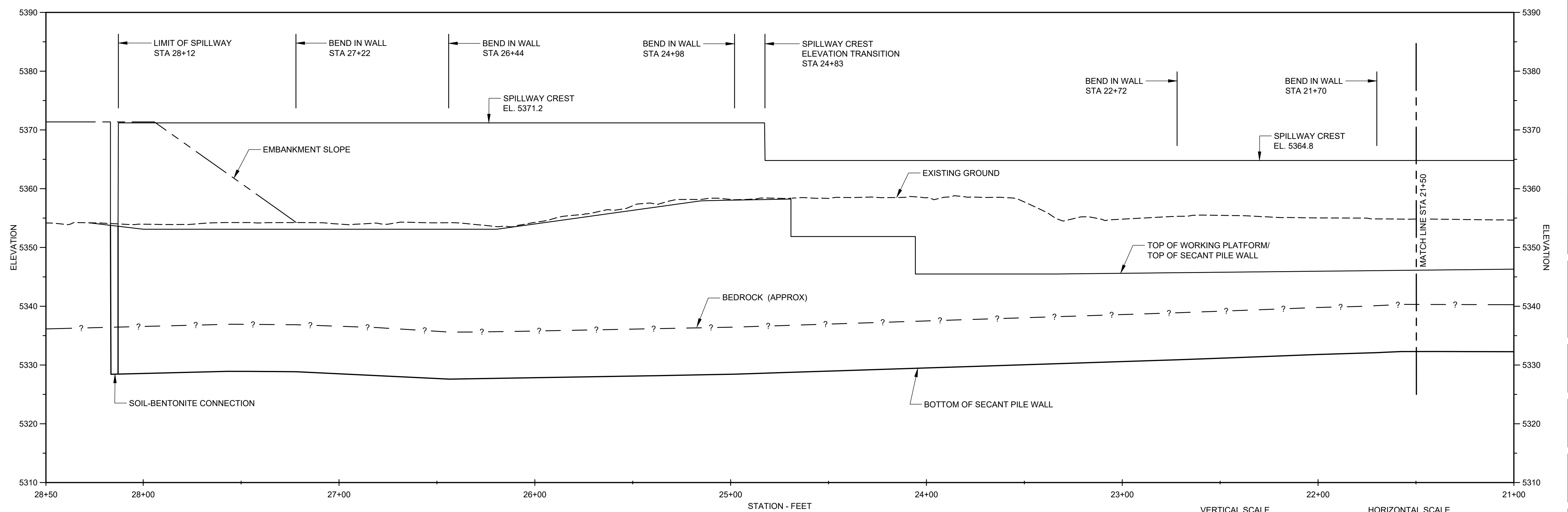
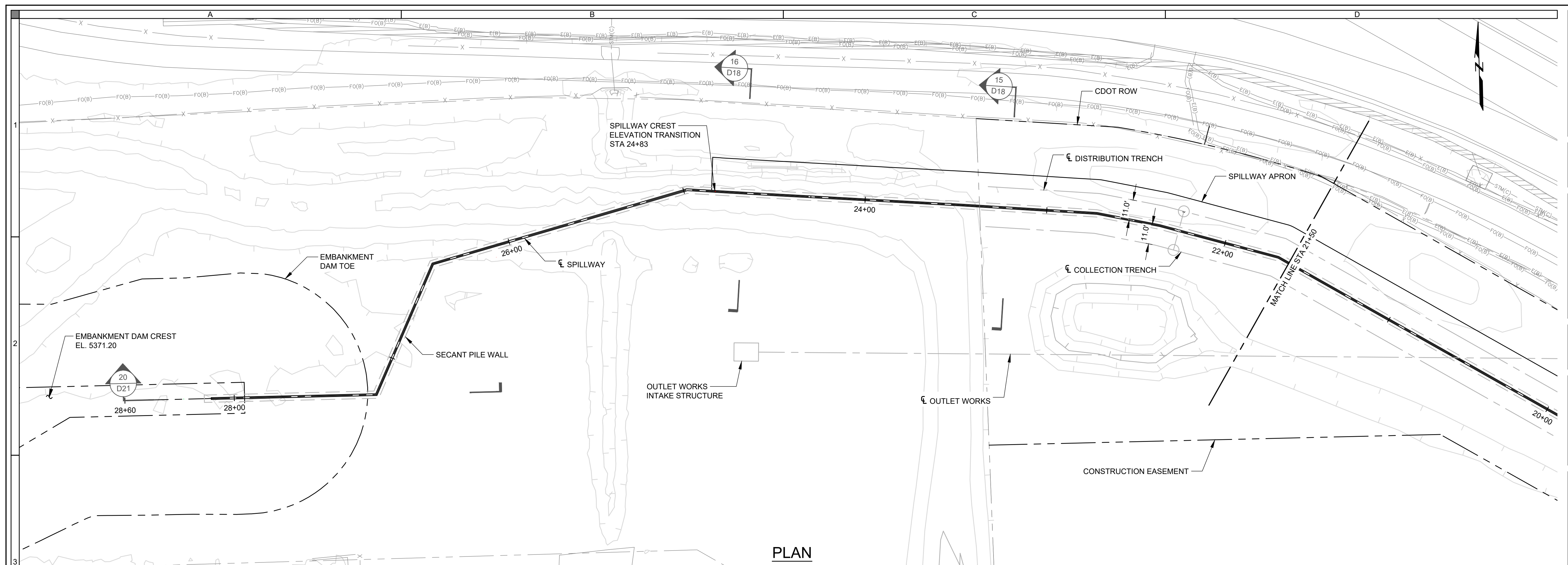
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY PLAN AND PROFILE (3 OF 4)

SHEET ID
D16

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[illegible]

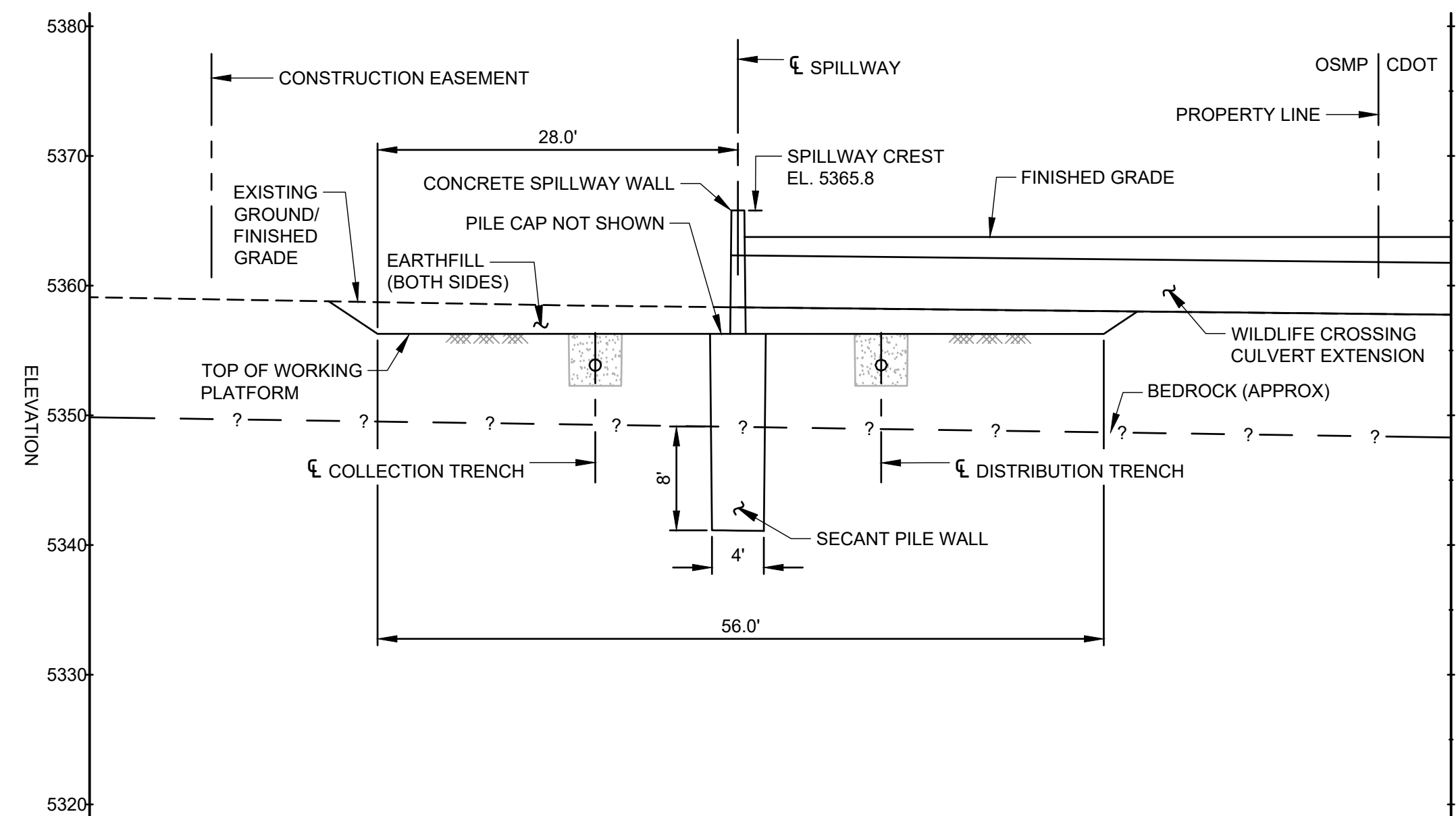
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RJH PROJECT NUMBER
16134

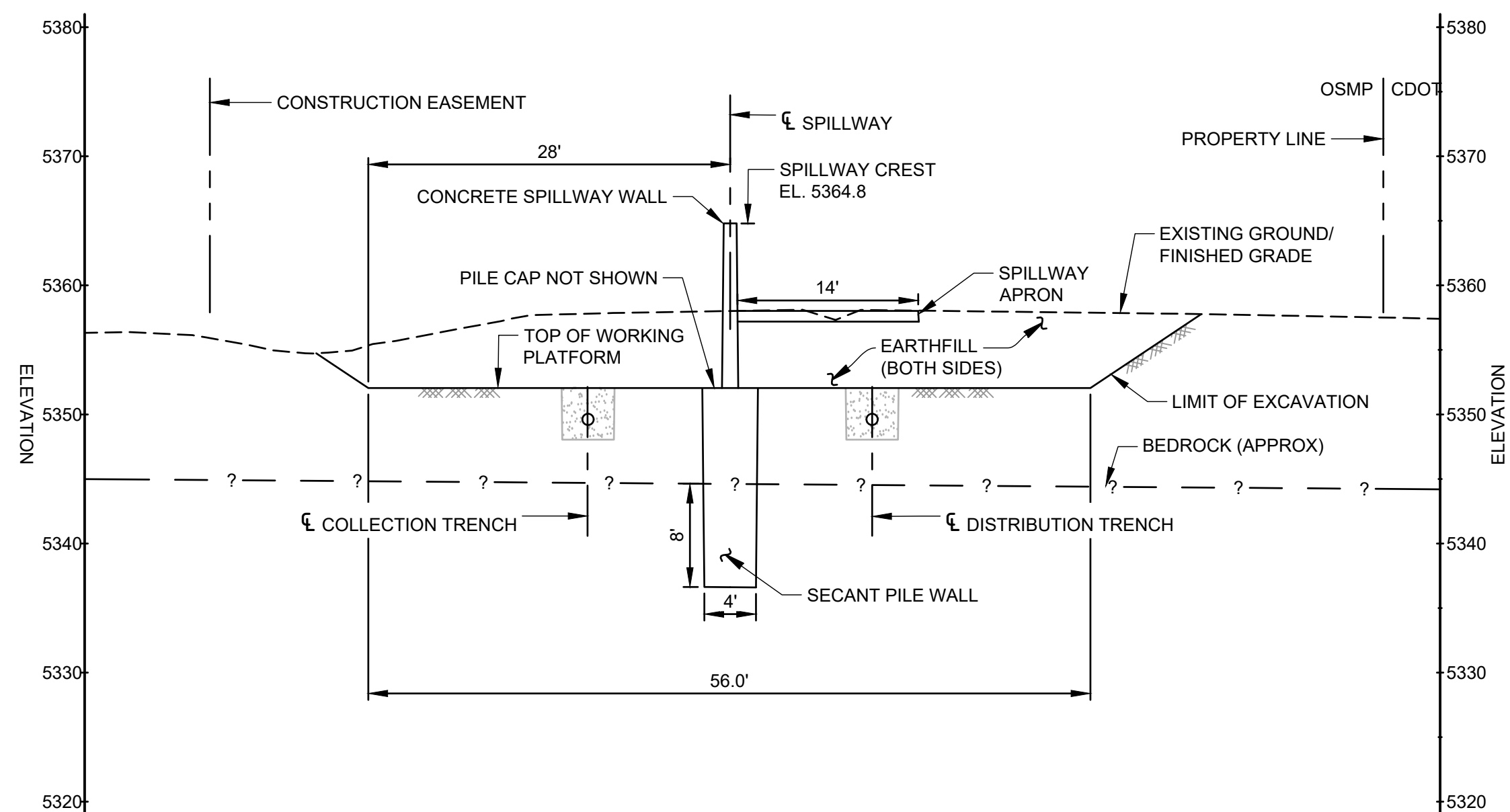
SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY PLAN AND PROFILE (4 OF 4)

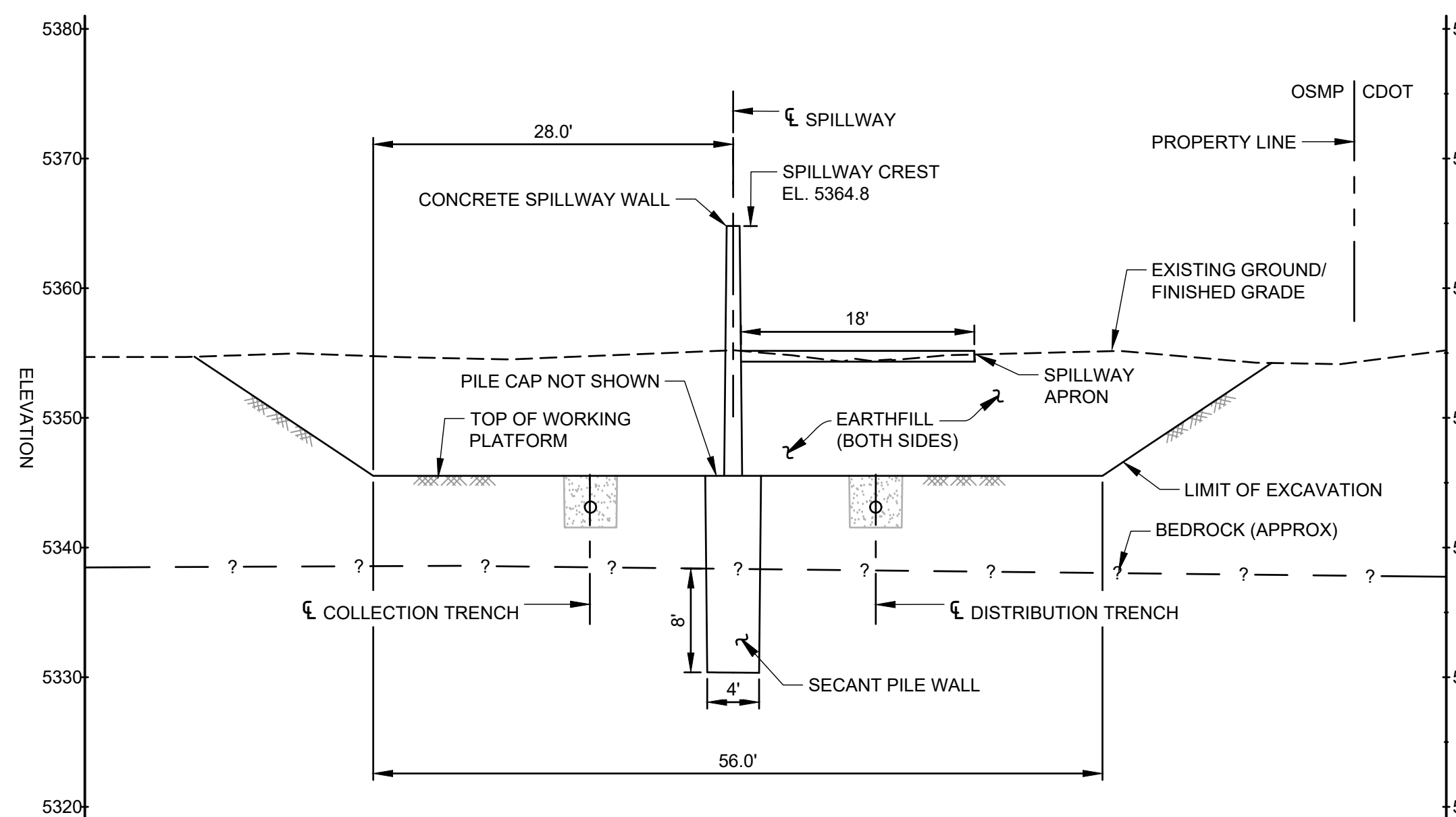
SHEET ID
D17
42 OF 58



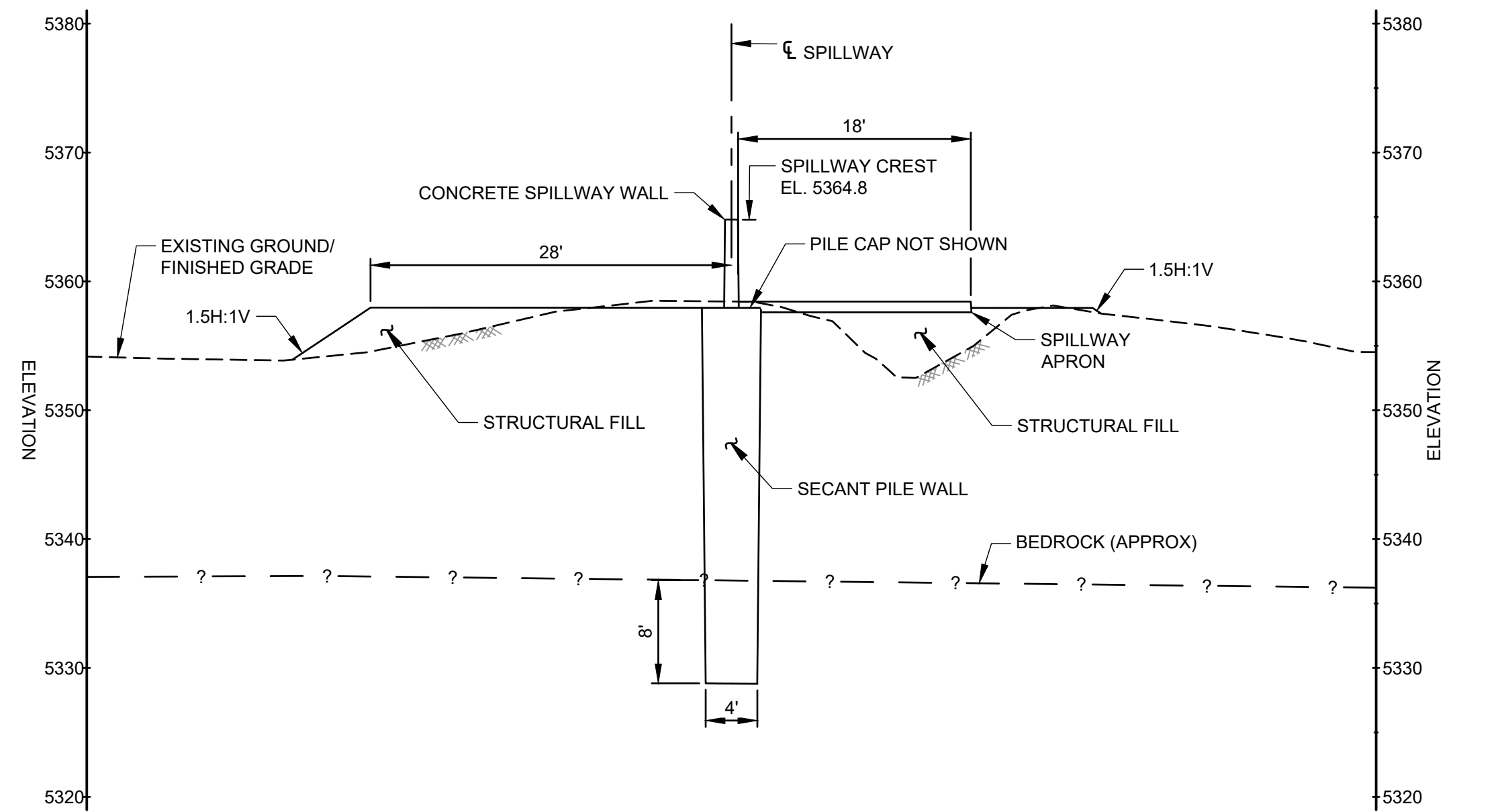
SECTION 13
STA 3+05



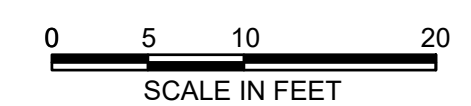
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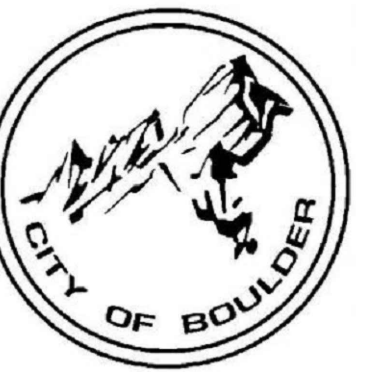
SECTION
STA 23+21



SECTION	16
STA 24+66	D17



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CITY OF BOULDER

[illegible]

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CHECKED BY:	DATE	XXX
APPROVED BY:	DATE	XXX

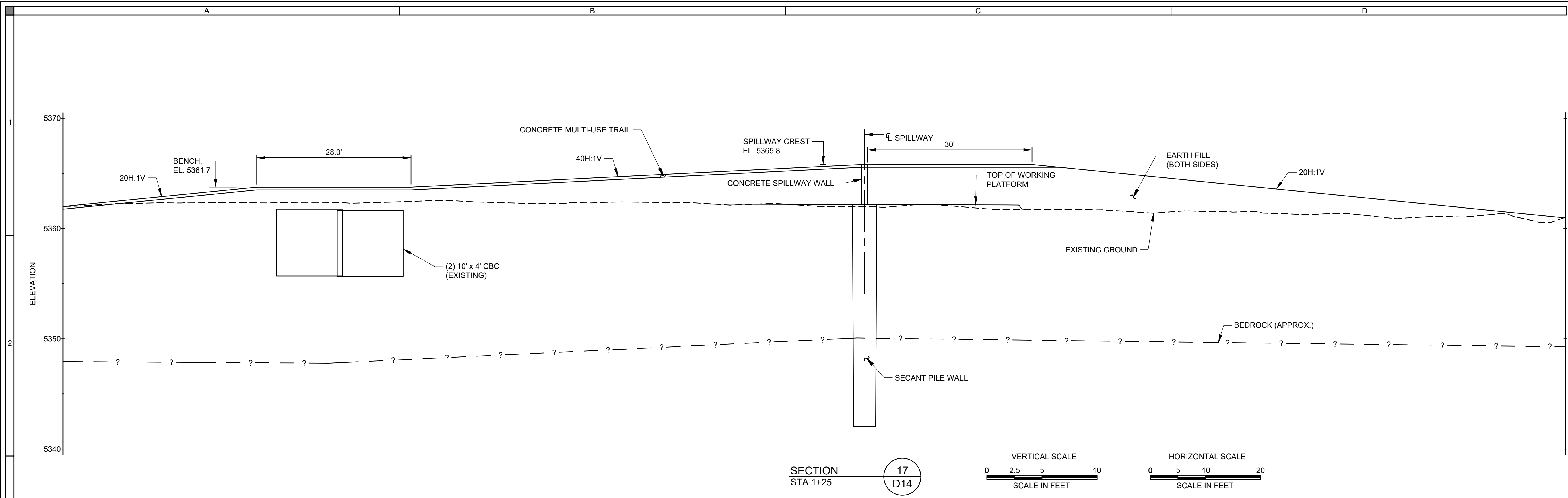
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY SECTIONS (1 OF 2)

SHEET ID
D18

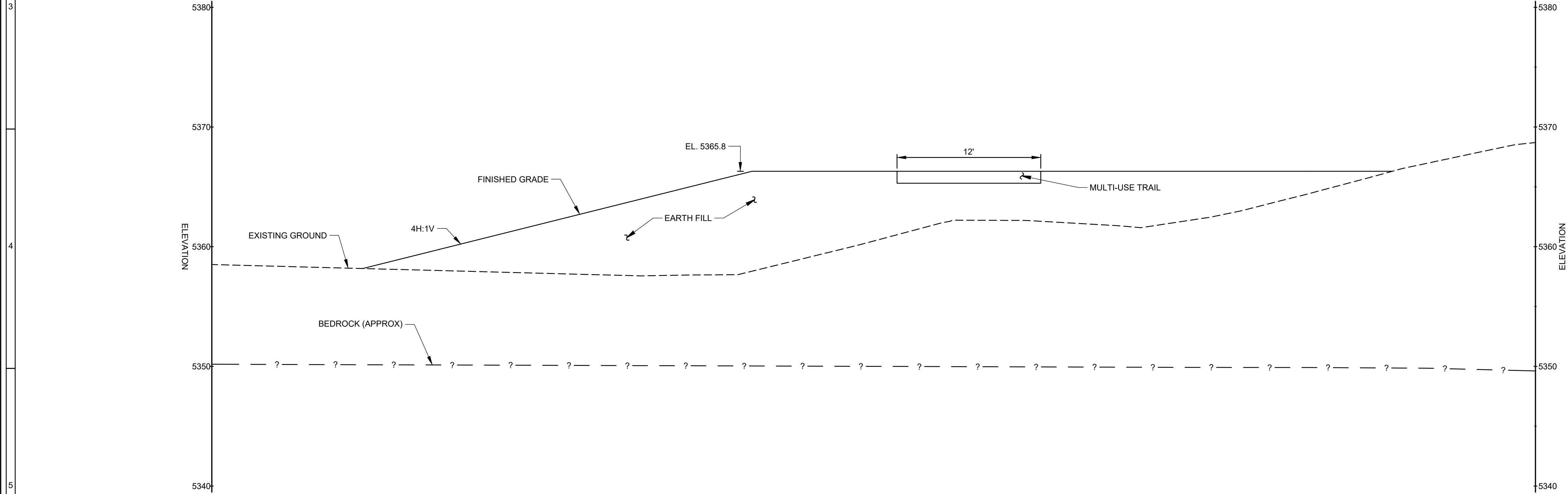
43 OF 58



SECTION 17
STA 1+25
D14

VERTICAL SCALE
0 2.5 5 10
SCALE IN FEET

HORIZONTAL SCALE
0 5 10 20
SCALE IN FEET



SECTION 18
D14

0 2.5 5 10
SCALE IN FEET



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NO.	DESCRIPTION											
	DATE											

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CHECKED BY:	DATE	XXX
APPROVED BY:	DATE	XXX

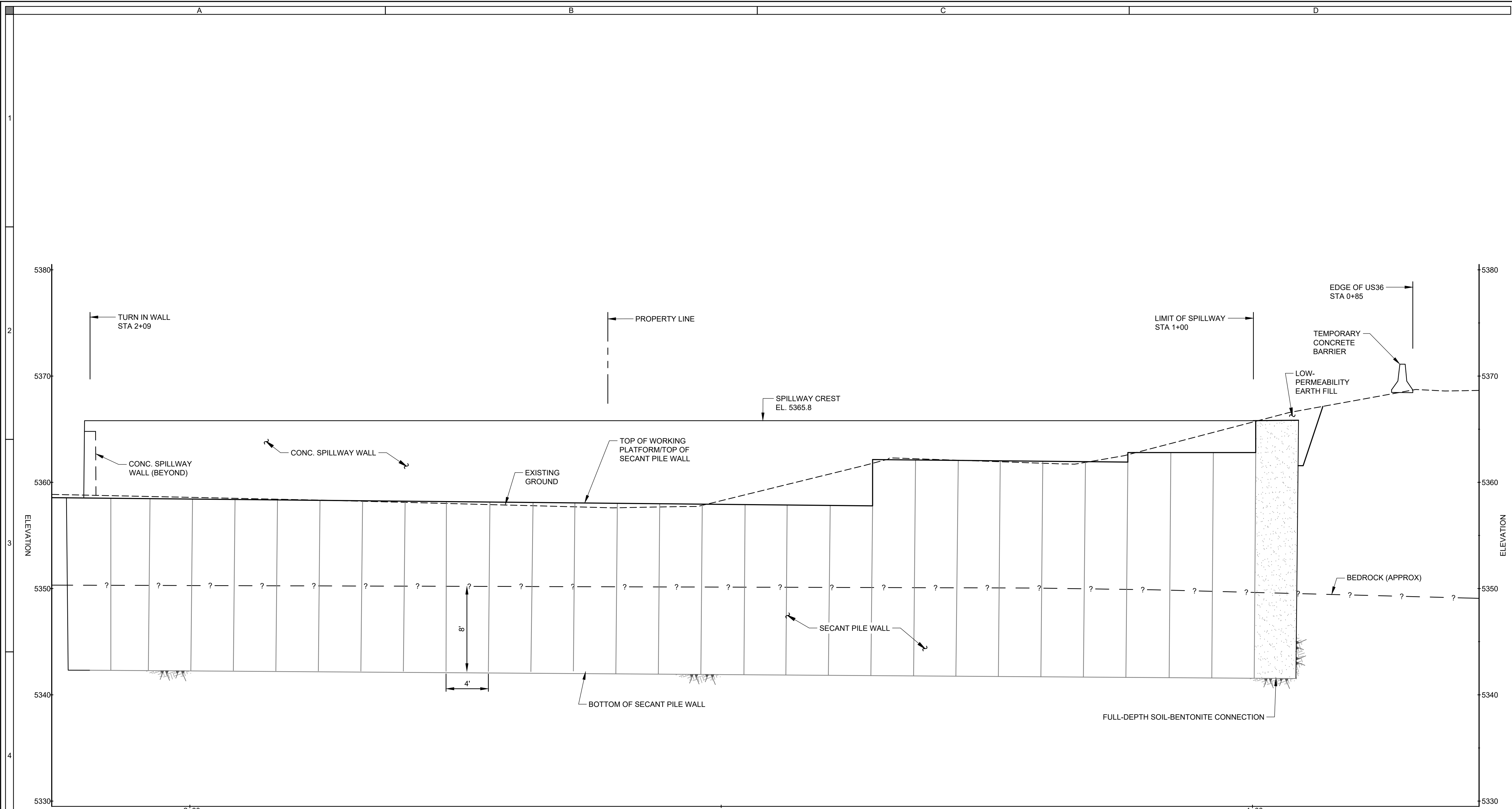
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16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY SECTIONS (2 OF 2)

SHEET ID
D19

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STATION - FEET

SECTION

19
D14



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CITY OF BOULDER

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16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

SPILLWAY SECTIONS - EAST
CONNECTION

SHEET ID
D20

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[illegible]

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APPROVED BY:	DATE	XXX

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16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

CDOT MEDIA FILTER DRAIN
MODIFICATION GENERAL PLAN

SHEET ID
D22

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[illegible]

DESIGNED BY:	DATE	XXX
DRAWN BY:	DATE	XXX
CHECKED BY:	DATE	XXX
APPROVED BY:	DATE	XXX

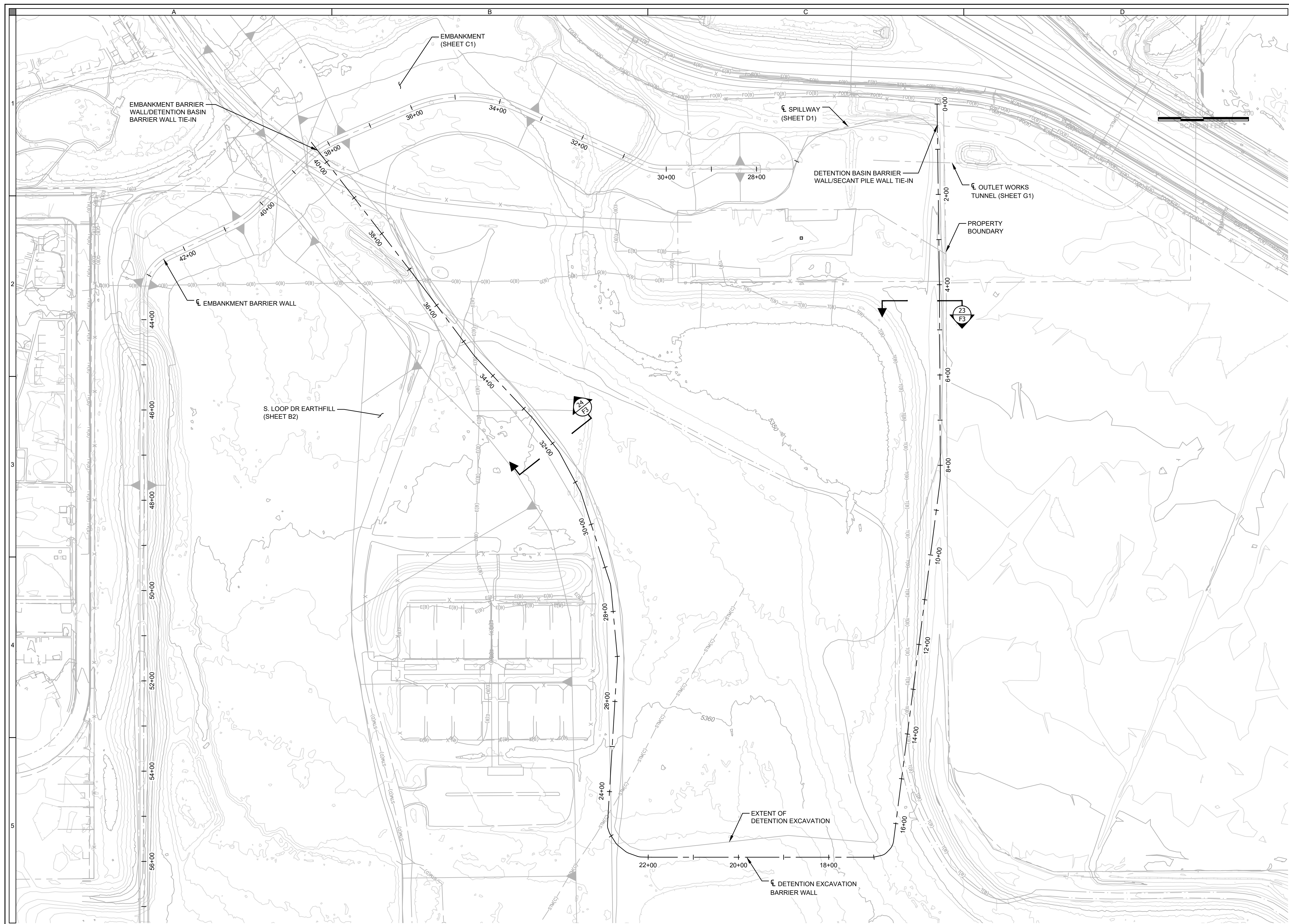
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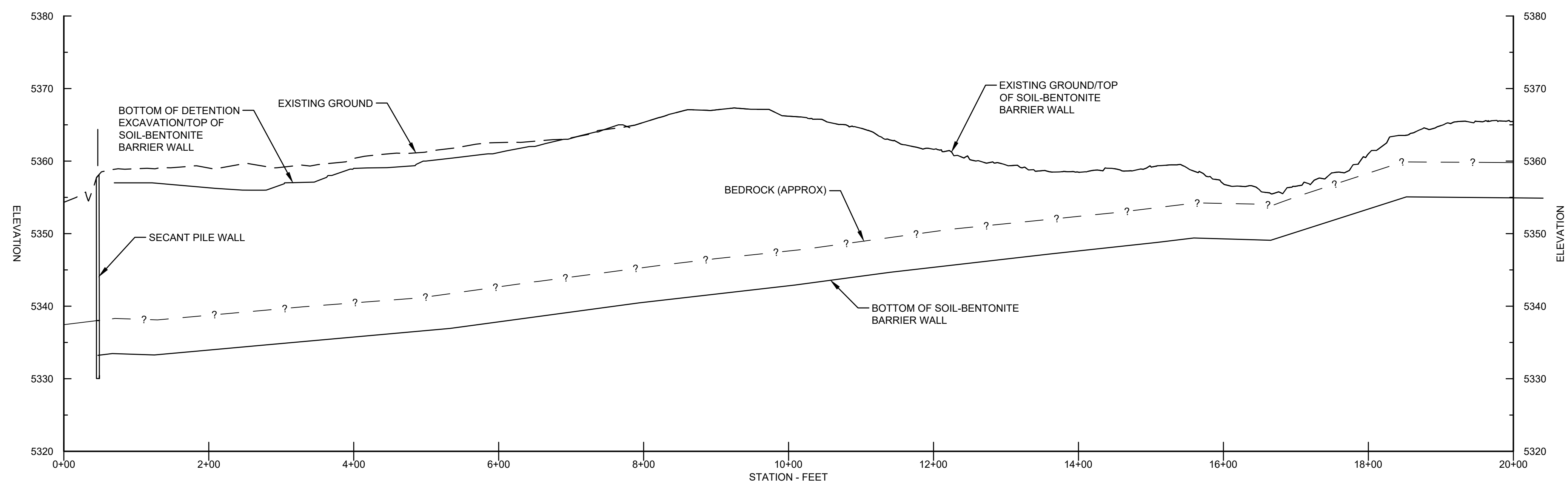
SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

BARRIER WALL GENERAL PLAN

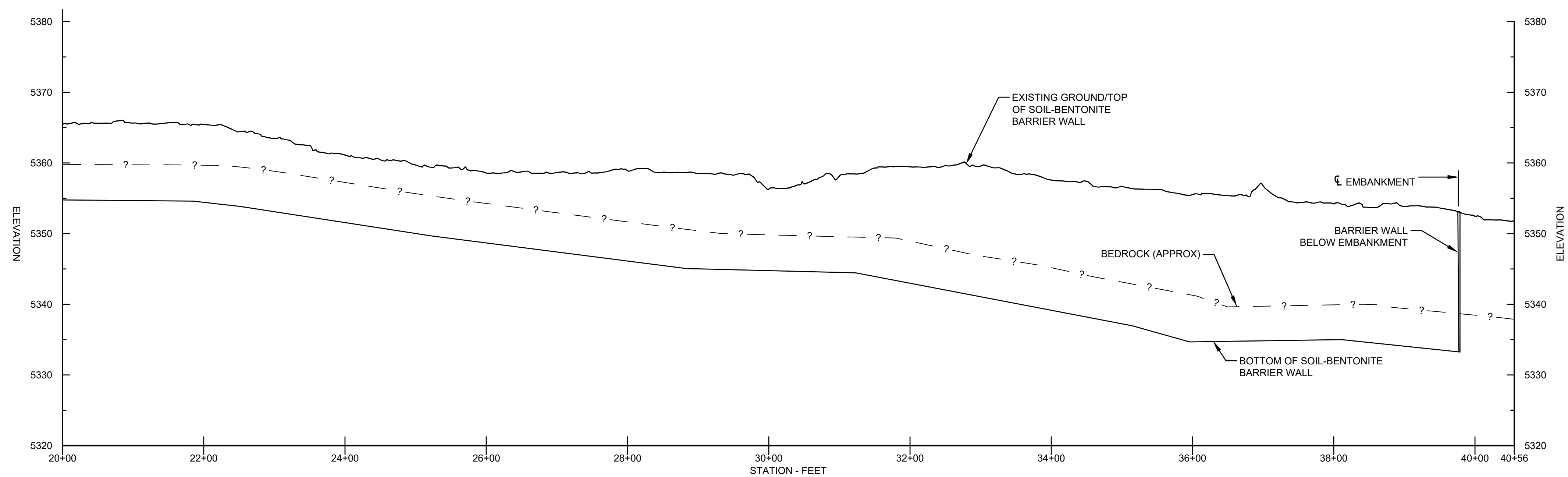
SHEET ID
F1

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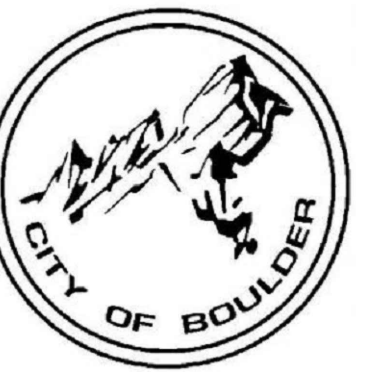
PROFILE



PROFILE



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CITY OF BOULDER

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RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

DETENTION EXCAVATION
SOIL BENTONITE BARRIER
WALL - PROFILE

SHEET ID
F2

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A B C D

1

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3

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5



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CHECKED BY:	DATE	XXX
APPROVED BY:	DATE	XXX

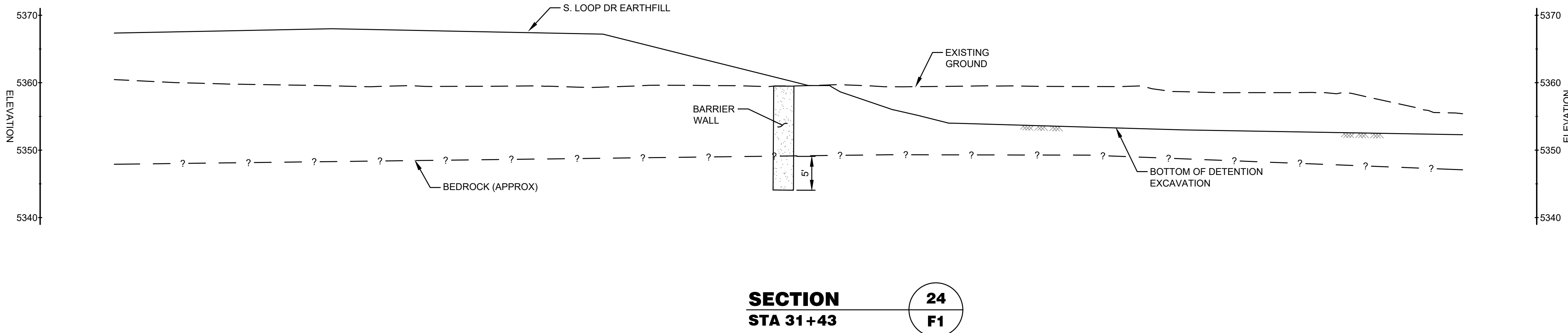
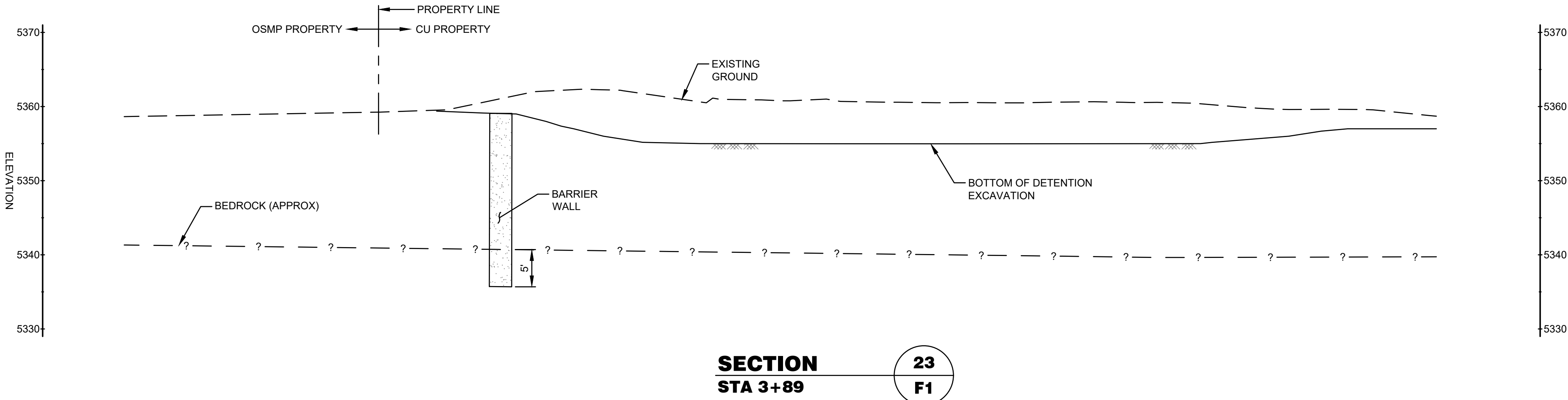
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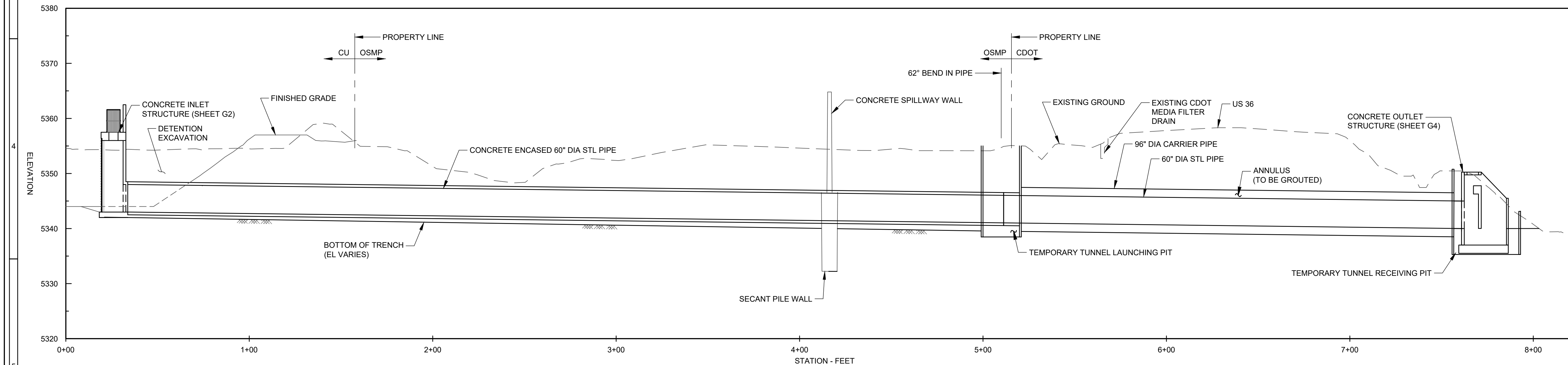
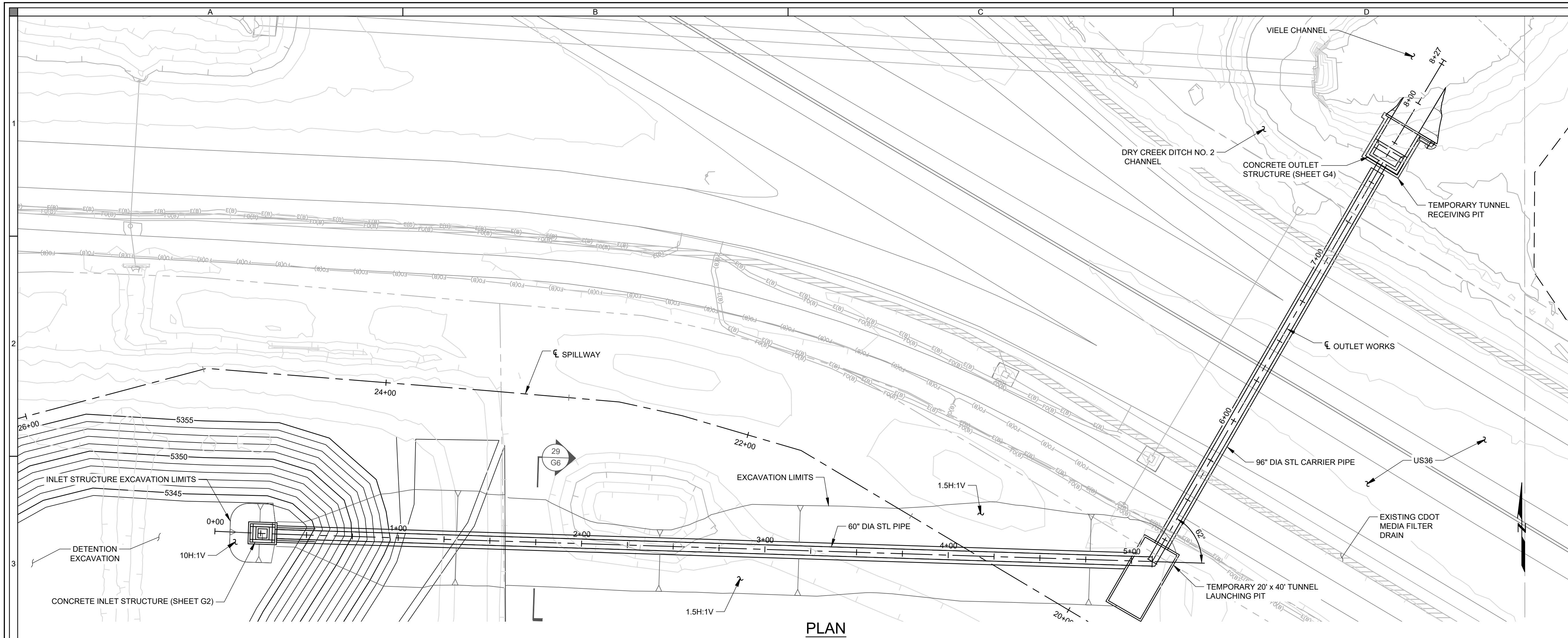
SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

DETENTION EXCAVATION
SOIL BENTONITE BARRIER
WALL-SECTIONS

SHEET ID
F3

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[illegible]

DESIGNED BY:	DATE	XXX
DRAWN BY:	DATE	XXX
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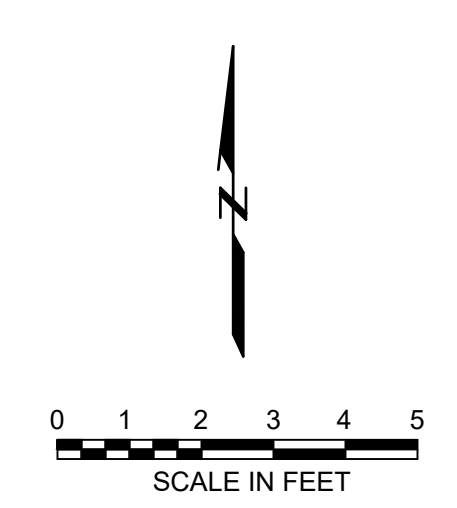
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16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

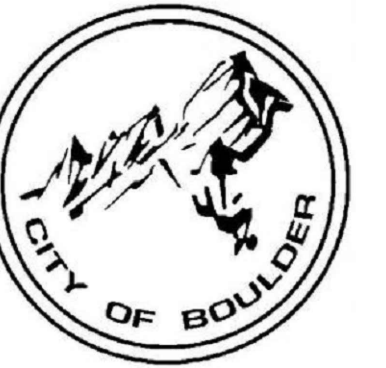
OUTLET WORKS GENERAL PLAN AND PROFILE

SHEET ID
G1

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ENGLEWOOD, CO 80112



CITY OF BOULDER

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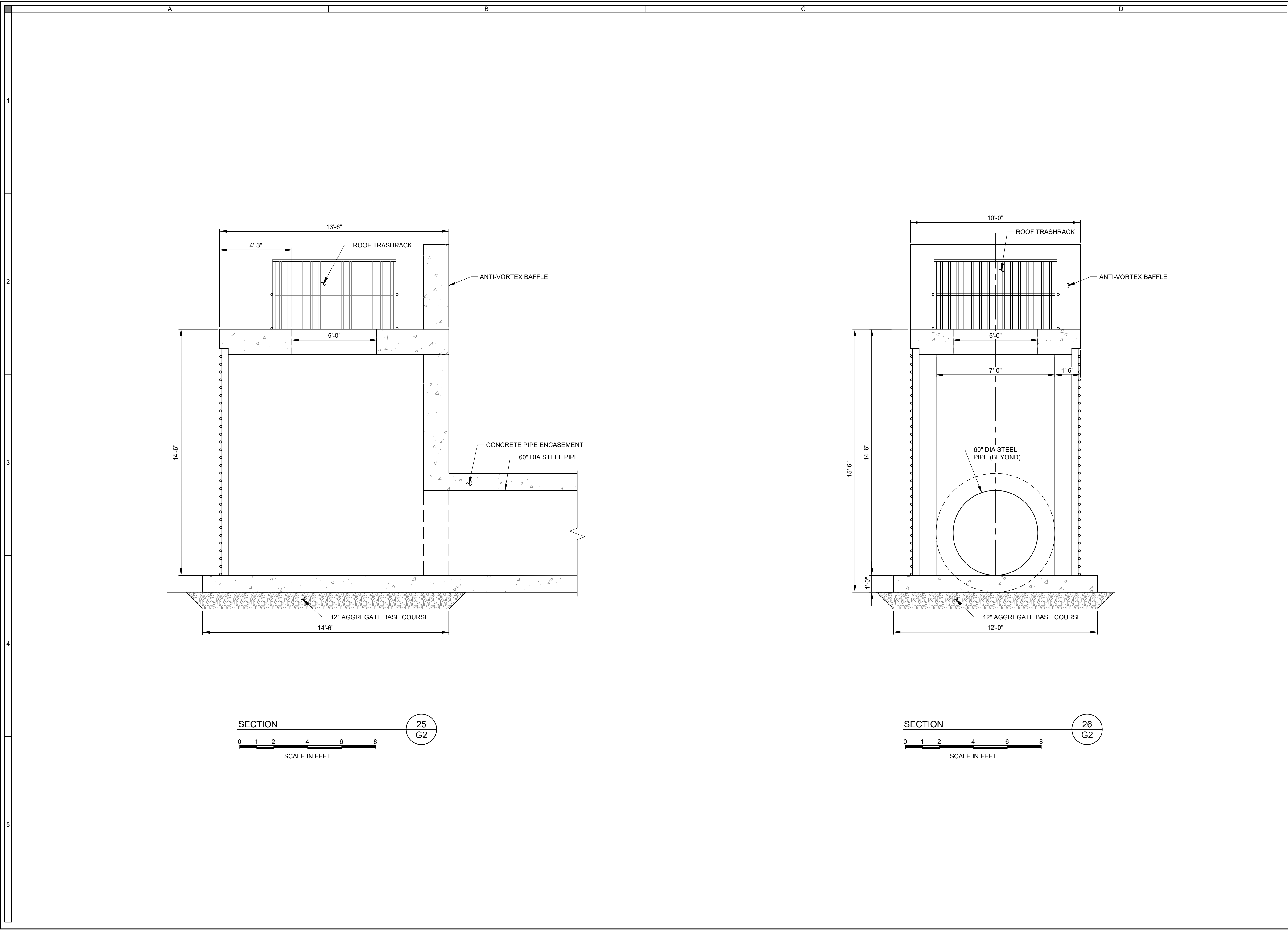
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

INLET STRUCTURE PLAN

SHEET ID
G2

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NO.	DESCRIPTION										
		DATE									

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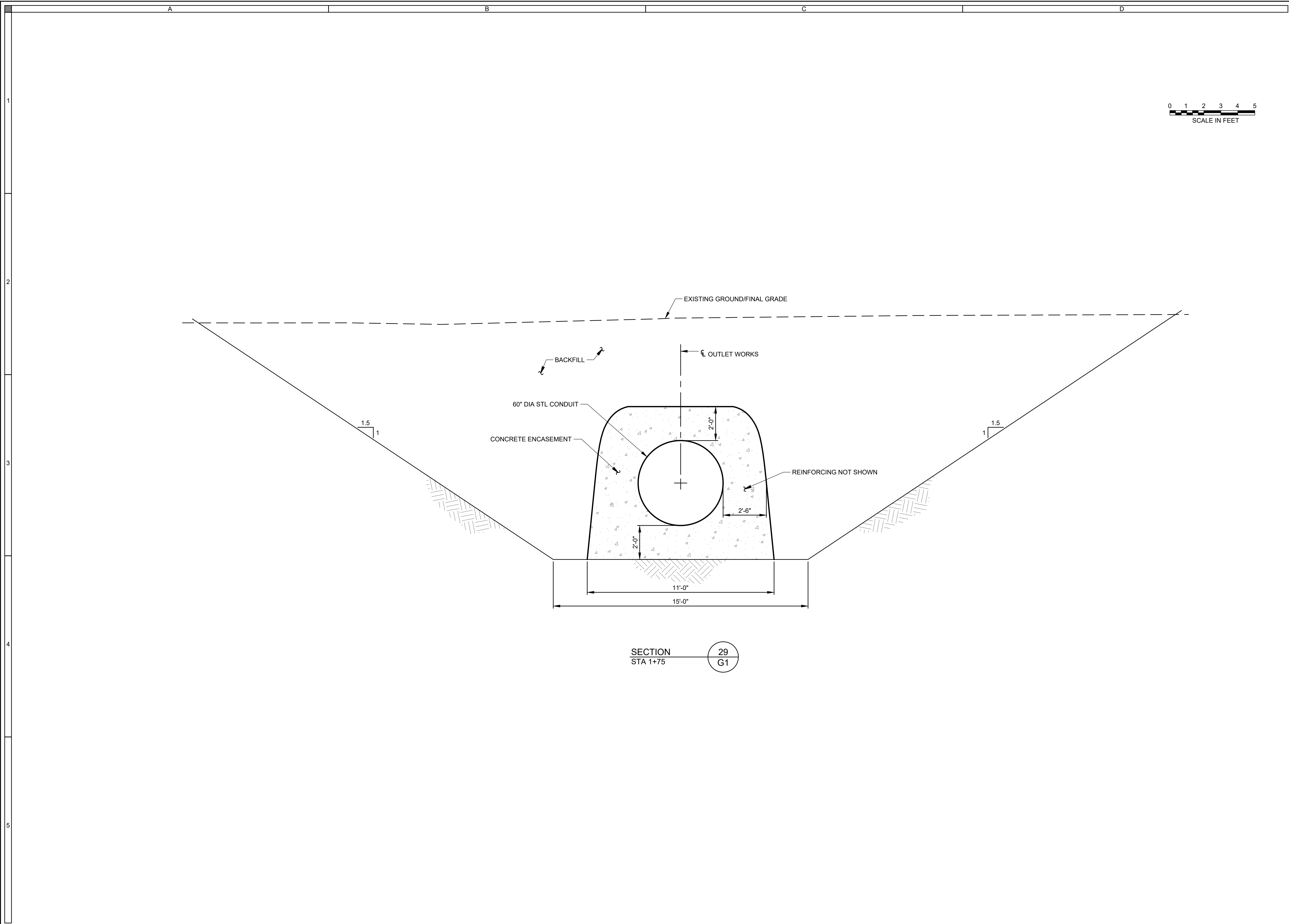
RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

INLET STRUCTURE SECTIONS AND
DETAILS

SHEET ID
G3

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CITY OF BOULDER

NO.	DESCRIPTION										
		DATE									

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RJH PROJECT NUMBER
16134

SOUTH BOULDER CREEK REGIONAL
DETENTION FACILITY

MISCELLANEOUS SECTIONS AND
DETAILS

SHEET ID
G6

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