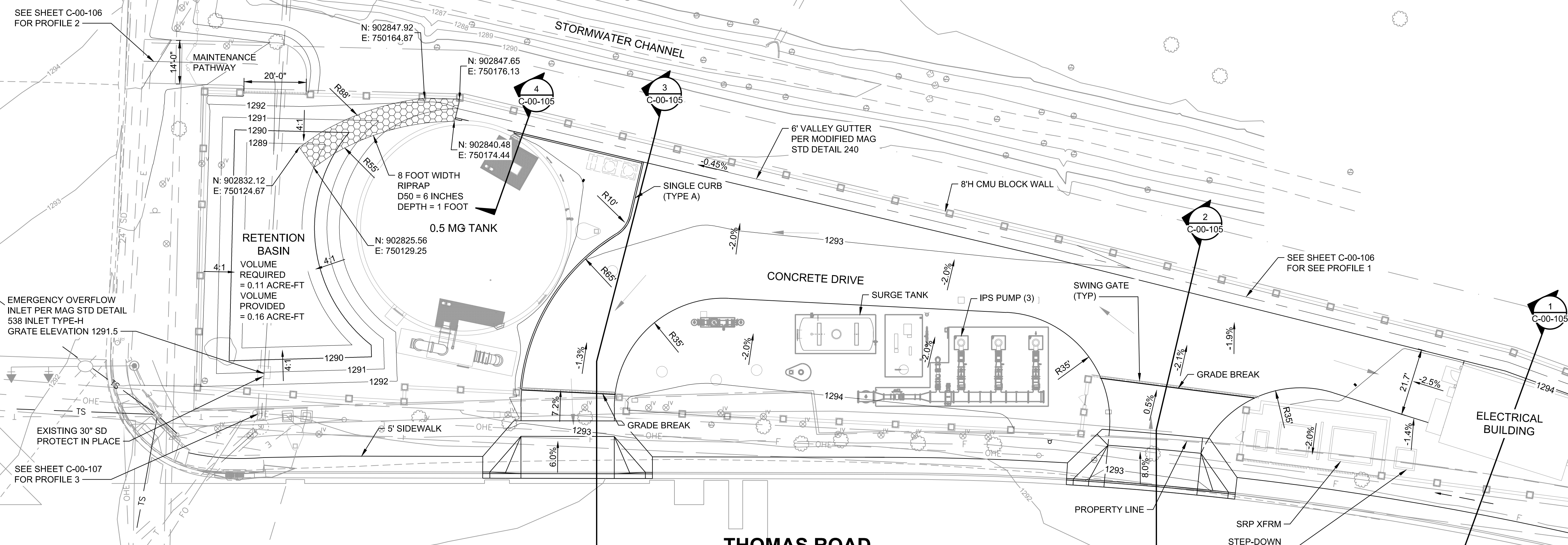


VAL VISTA DRIVE

THOMAS ROAD



SEE SHEET C-00-106 FOR PROFILE 2

EMERGENCY OVERFLOW INLET PER MAG STD DETAIL 538 INLET TYPE H GRATE ELEVATION 1291.5

EXISTING 30" SD PROTECT IN PLACE

SEE SHEET C-00-107 FOR PROFILE 3

RETENTION BASIN
VOLUME REQUIRED = 0.11 ACRE-FT
VOLUME PROVIDED = 0.16 ACRE-FT

0.5 MG TANK

CONCRETE DRIVE

SURGE TANK

IPS PUMP (3)

SWING GATE (TYP)

SEE SHEET C-00-106 FOR SEE PROFILE 1

GRADE BREAK

SRP XFRM
STEP-DOWN XFRM

ELECTRICAL BUILDING

NOTE:
1. ALL AREAS NOT CALLED OUT FOR MATERIAL ASSUMED AS DECOMPOSED GRANITE PER MAG DETAIL 607-1 AND MAG SPECIFICATION 430.8.

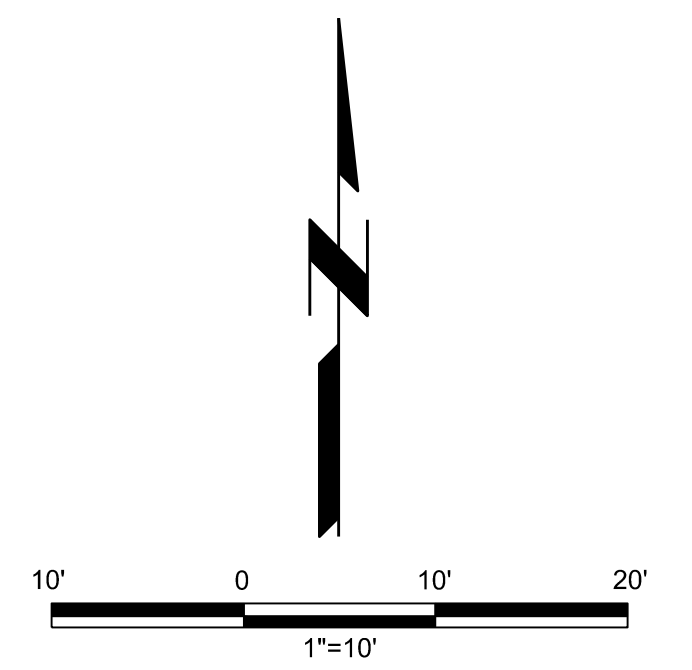
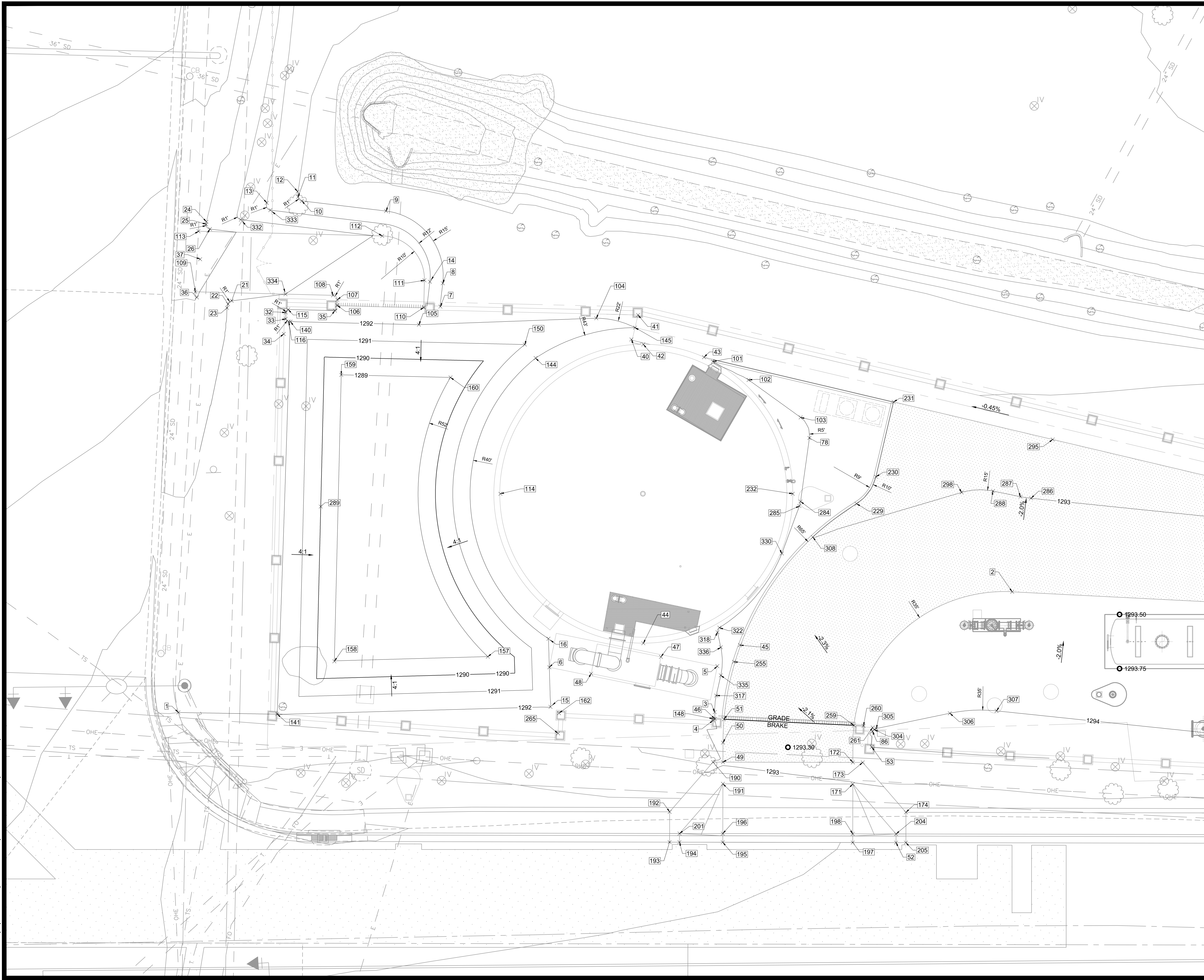
DATE: 2/18/24 C:\PW\WORKING\B\W_AMERICAS_2\1720644\C-00-102.DWG

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	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION	
NOT FOR CONSTRUCTION OR RECORDING	CIVIL	C-00-102
	SITE GRADING AND DRAINAGE PLAN	
DRAWN BY: DDH ENGINEER: PJO APPROVED BY: PJO	SHEET	CATALOG NUMBER:
ACTIVITY: PROJ. NO.: CP0896	OF	

DATE SAVED: 2/15/24 C:\PW\WORKING\B\W_AMERICAS_2\01720644\C-00-103 AND 104.DWG



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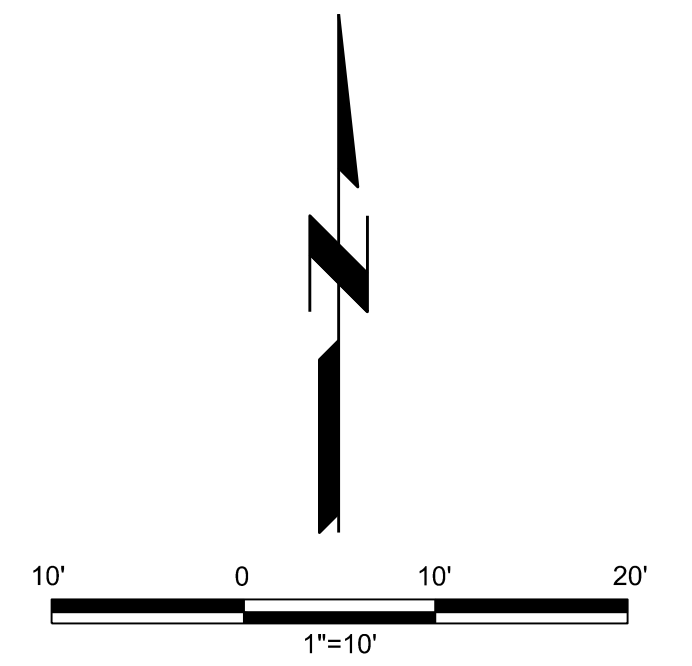
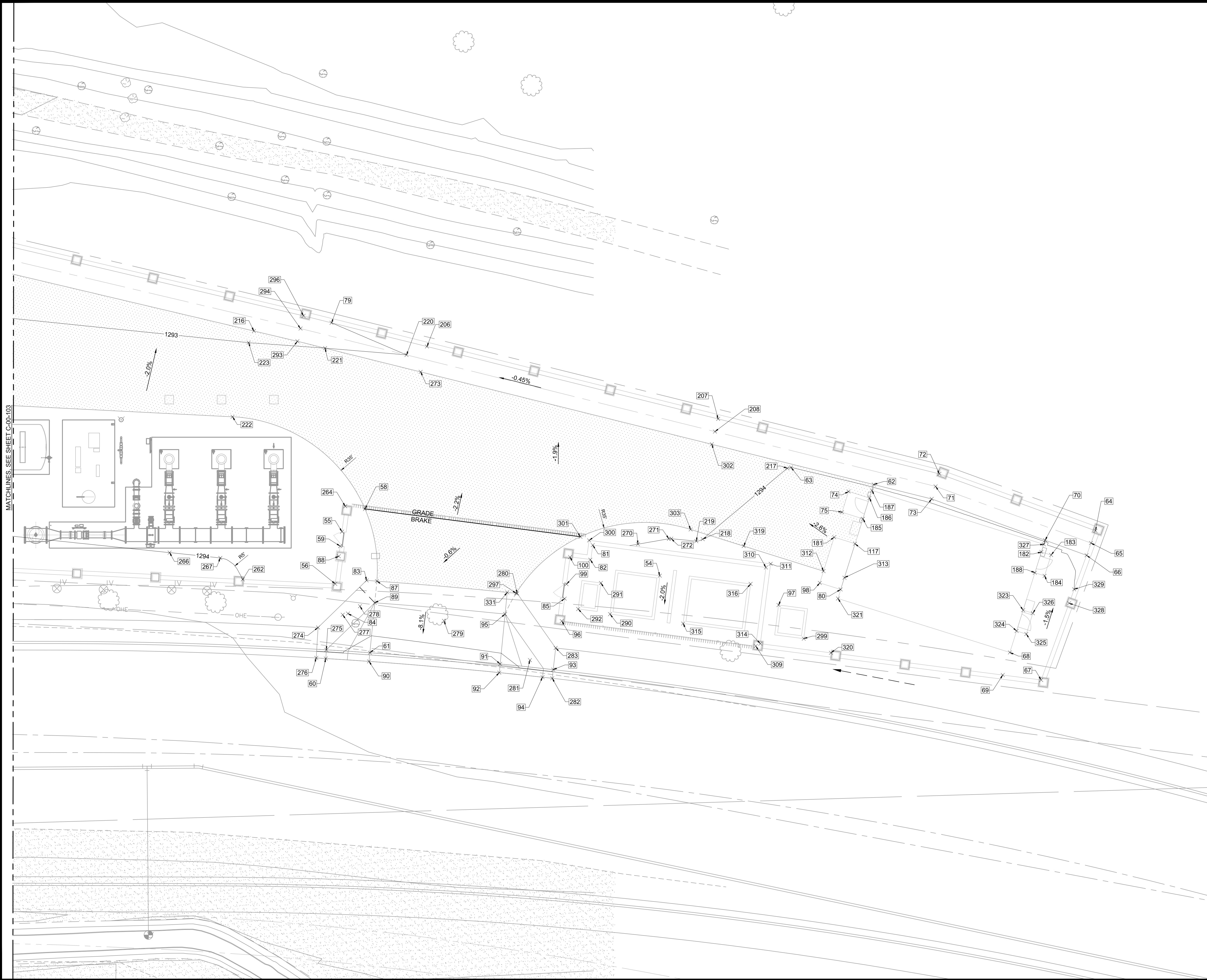
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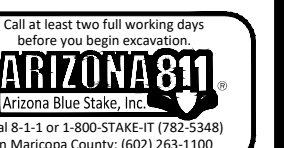
FINAL NOT FOR CONSTRUCTION OR RECORDING	CITY OF MESA ENGINEERING DEPARTMENT		C-00-103
	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION		
DRAWN BY: DDH ENGINEER: CA APPROVED BY: PJO	CIVIL SITE ENLARGED GRADING PLAN - 1		CATALOG NUMBER: OF
	ACTIVITY: PROJ. NO.: CP0896		

DATE SAVED: 2/5/24 C:\PW_WORKING\B\W_AMERICAS_2\01720644\C-00-103 AND 104.DWG

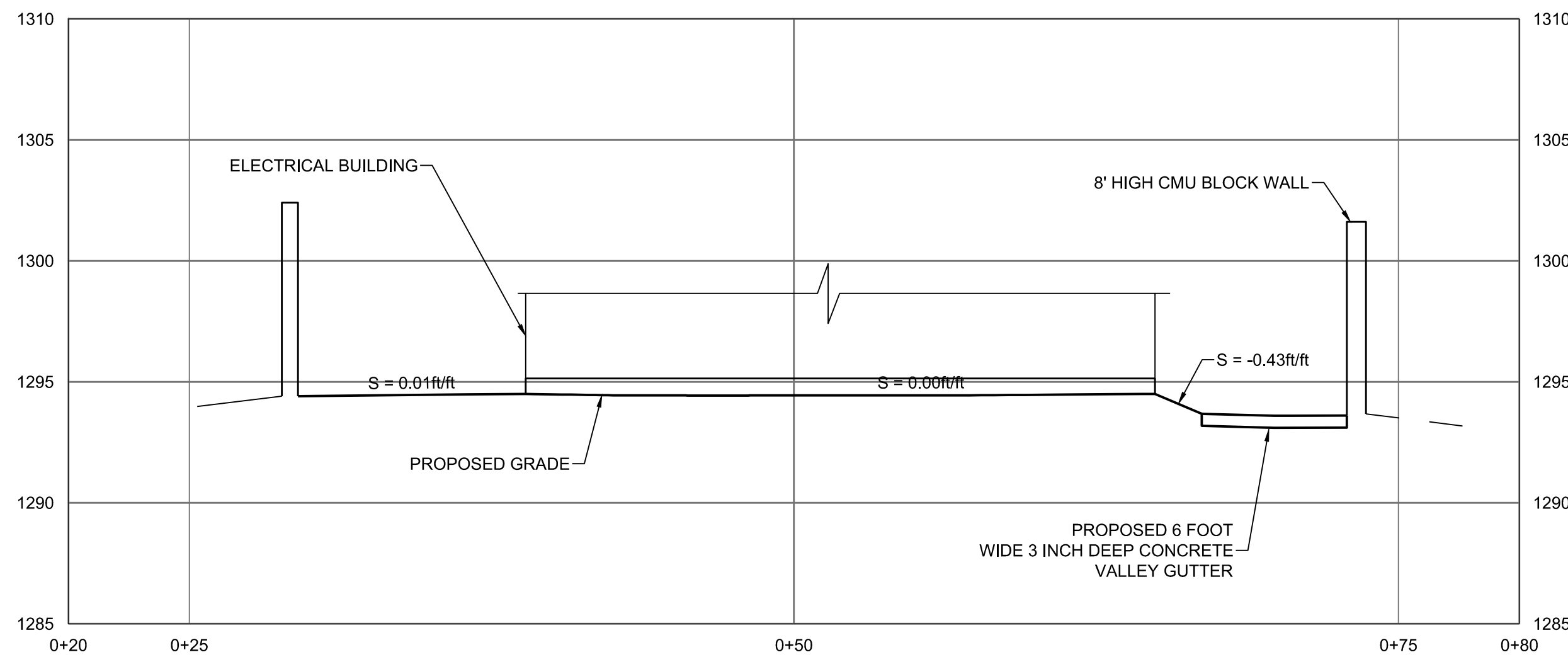
MATCHLINES SEE SHEET C-00-103



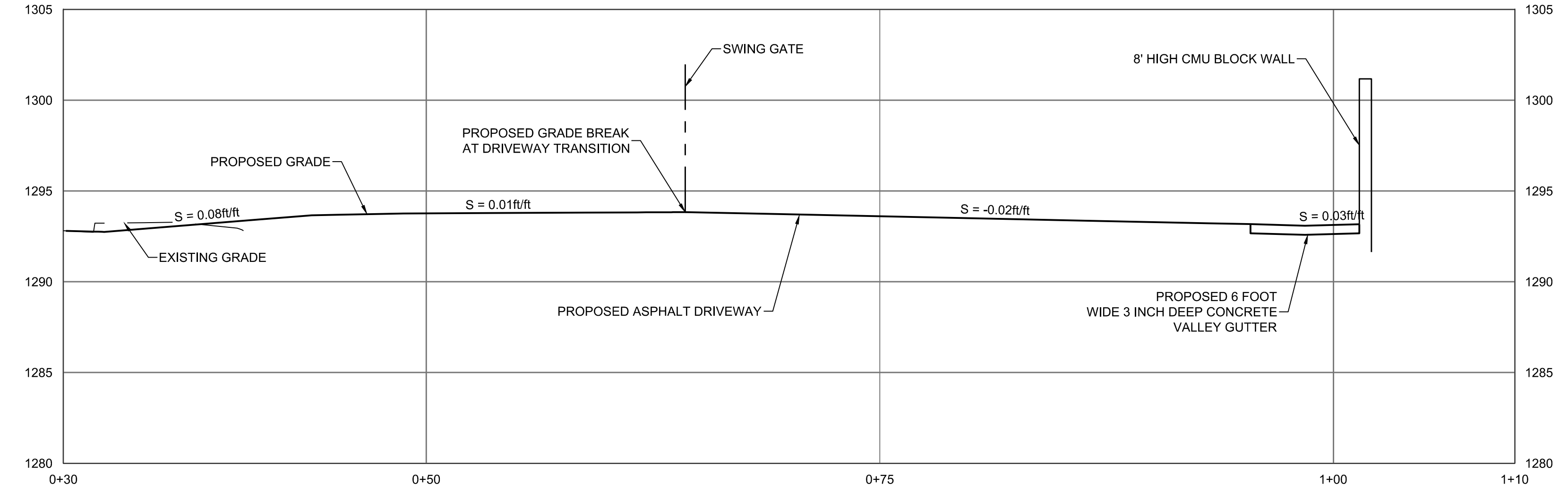
NOT FOR CONSTRUCTION



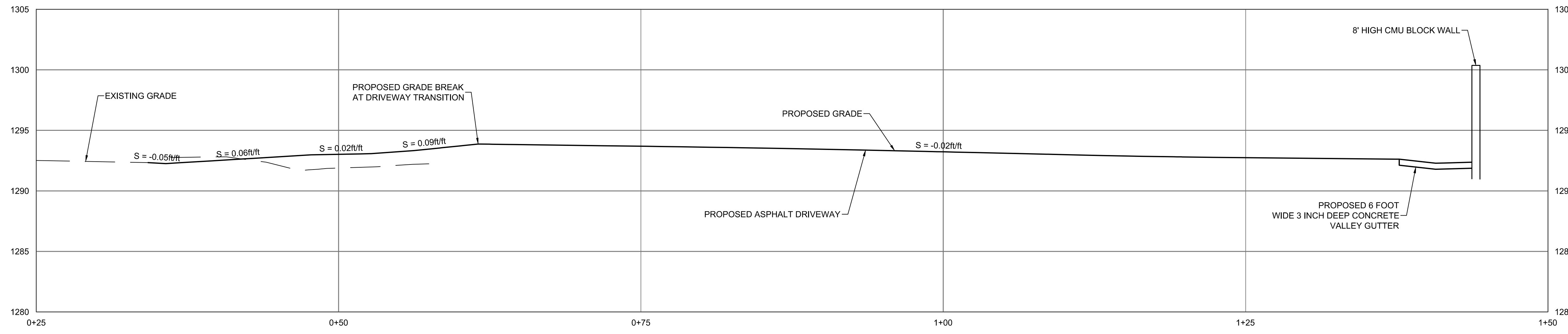
FINAL NOT FOR CONSTRUCTION OR RECORDING	CITY OF MESA ENGINEERING DEPARTMENT	
	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION	
DRAWN BY: DDH ENGINEER: APPROVED BY:	CIVIL	C-00-104
	SITE ENLARGED GRADING PLAN - 2	
ACTIVITY: PROJ. NO.: CP0896	SHEET OF	CATALOG NUMBER:



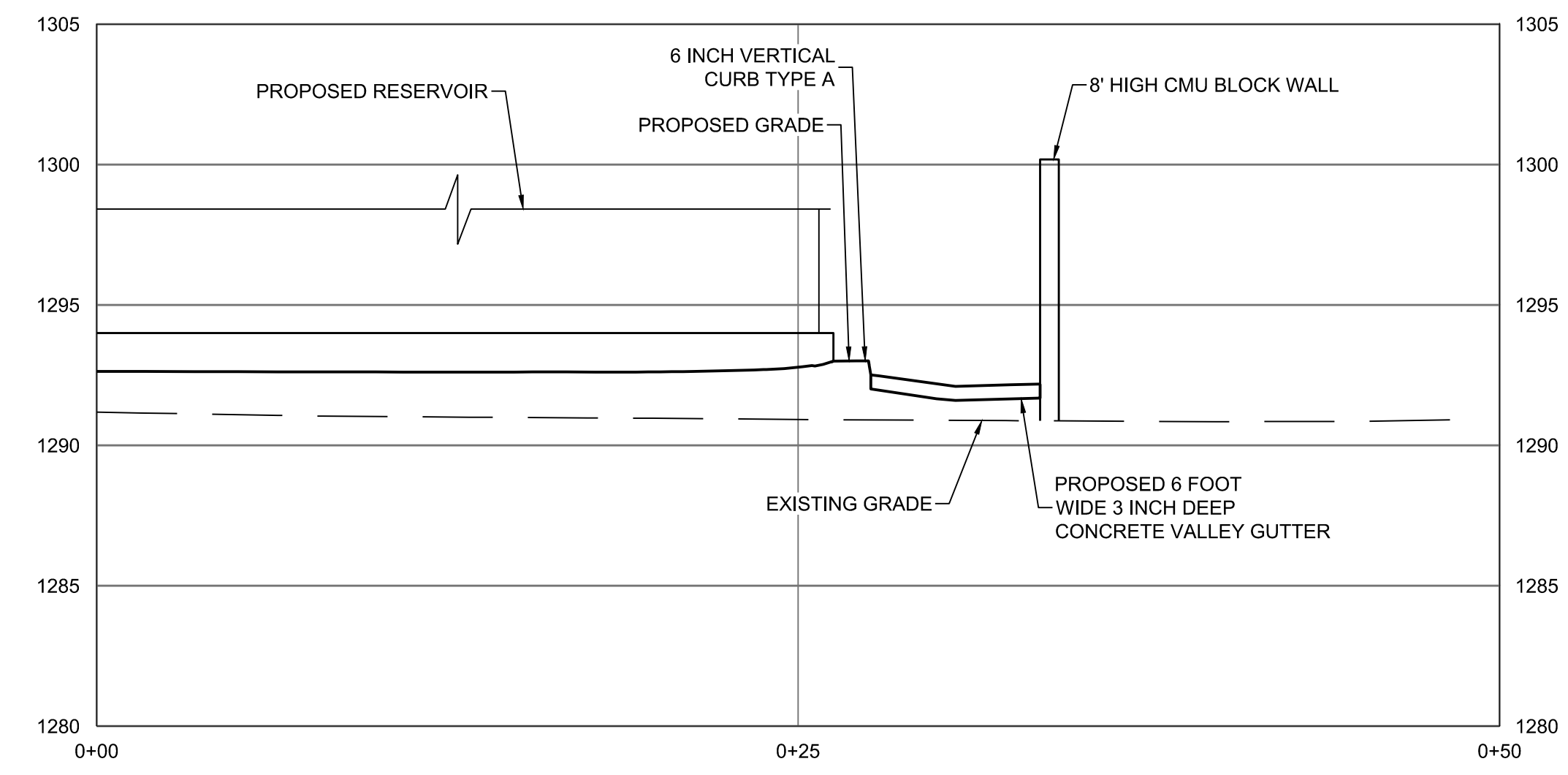
SECTION - 1
SCALE = HOR 1" : 5'
VER 1" : 1'



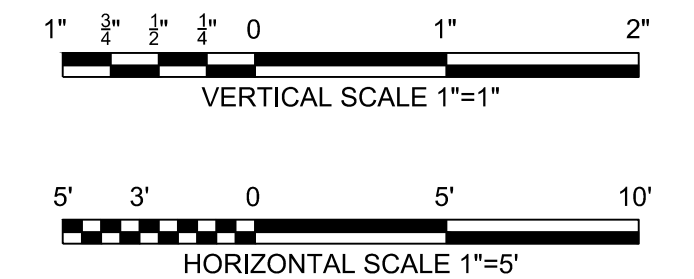
SECTION - 2
SCALE = HOR 1" : 5'
VER 1" : 1'



SECTION - 3
SCALE = HOR 1" : 5'
VER 1" : 1'



SECTION - 4
SCALE = HOR 1" : 5'
VER 1" : 1'



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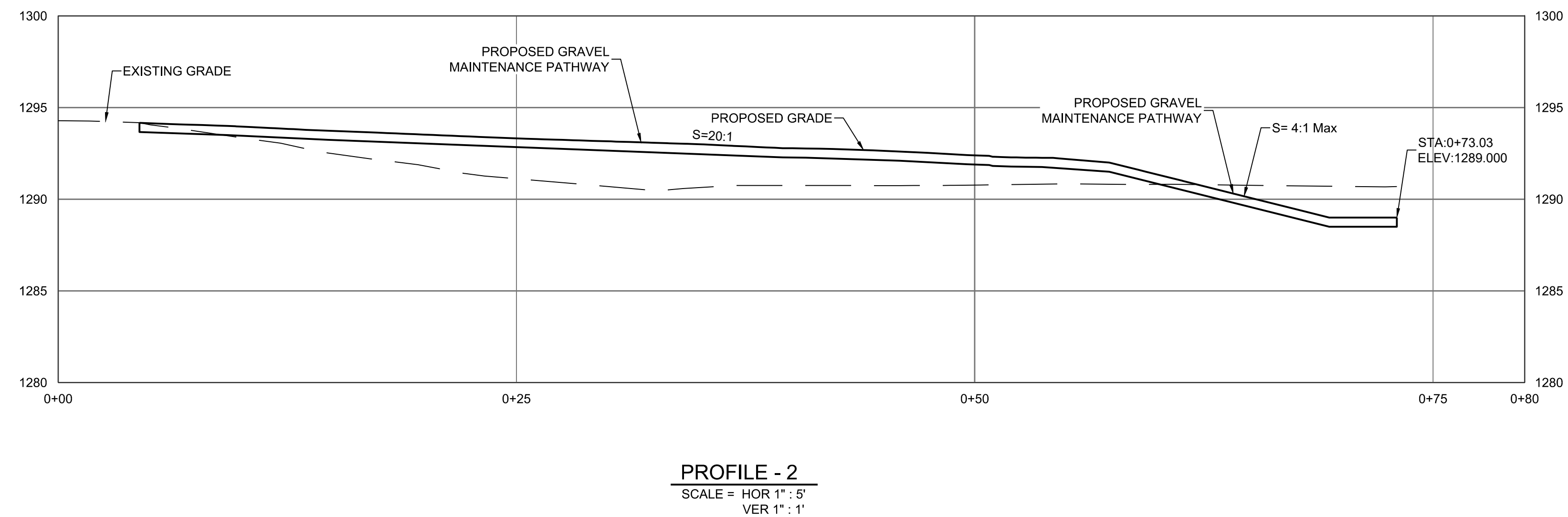
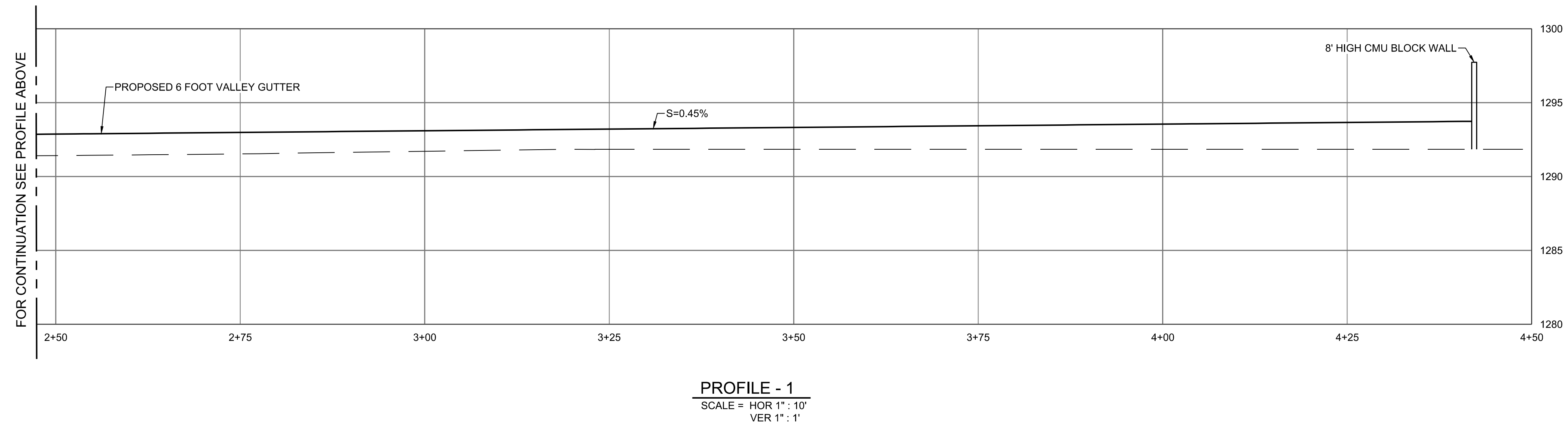
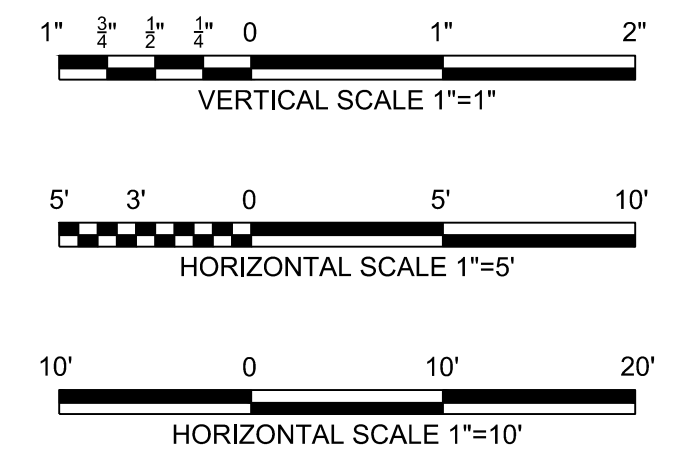
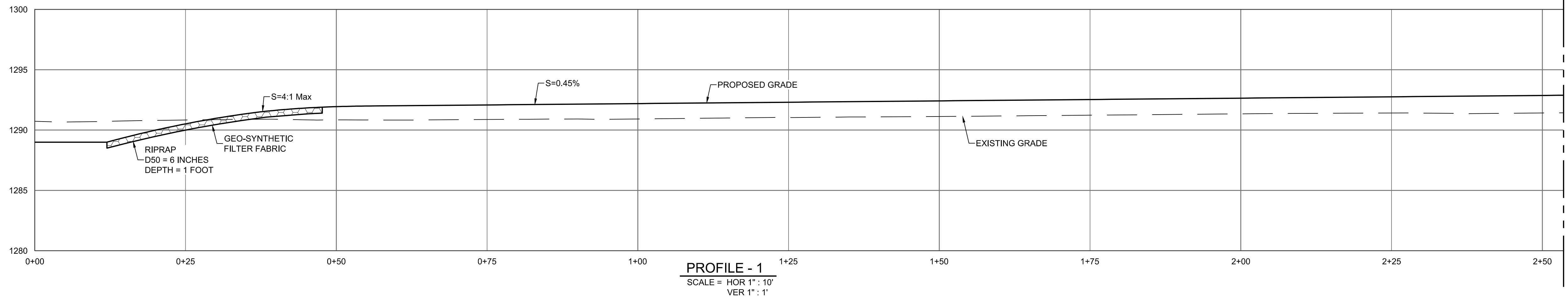
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Phoenix, Arizona

ARIZONA
Professional Engineer Seal
Call for details or 1-800-541-0700 (TDD) 55486
in Maricopa County (0001) 2163-1000

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DRAWN BY: DDH ENGINEER: CA APPROVED BY: PJO	CIVIL GRADING SECTIONS	C-00-105
ACTIVITY: PROJ. NO.: CP0896	SHEET OF	CATALOG NUMBER:

DATE SAVED: 2/18/24 C:\PW_WORKING\B\W_AMERICAS_2\1720644\C-00-106 AND 107.DWG

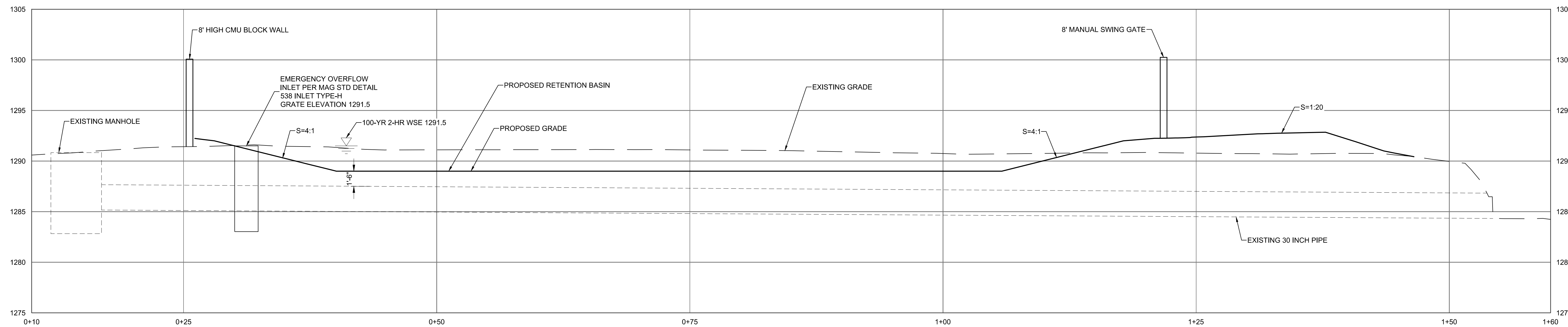
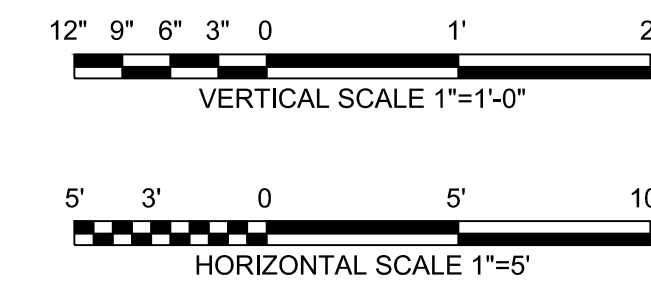


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ARIZONA
Professional Engineer
Call 602.251.1000 or 1.800.541.0700 (Toll Free)
In Maricopa County (PH) 251.1000

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	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION	
NOT FOR CONSTRUCTION OR RECORDING	CIVIL	C-00-106
	GRADING PROFILES 1	
DRAWN BY: DDH ENGINEER: CA APPROVED BY: PJO	SHEET OF	CATALOG NUMBER:
ACTIVITY: PROJ. NO.: CP0896		



PROFILE - 3
SCALE = HOR 1" : 5'
VER 1" : 1'

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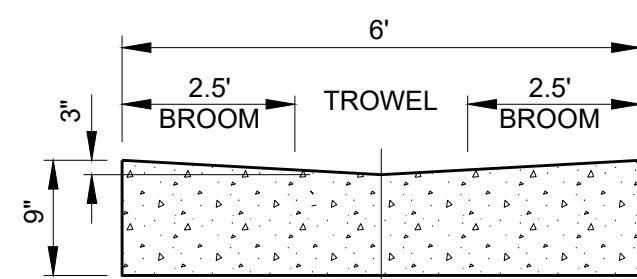
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	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION	
NOT FOR CONSTRUCTION OR RECORDING	CIVIL	C-00-107
	GRADING PROFILES 2	
DRAWN BY: DDH ENGINEER: APPROVED BY:	SHEET OF	CATALOG NUMBER:
ACTIVITY: PROJ. NO.: CP0896		

NOTES:

1. ALL CONCRETE TO BE CLASS 'A' UNLESS OTHERWISE APPROVED (SECTION 725).
2. EITHER A CONSTRUCTION JOINT OR CONTRACTION JOINT IS REQUIRED AT THE STREET CENTERLINE.
3. A SEPARATE CONCRETE PAD IS REQUIRED AT ALL EXPANSION JOINTS AND ALL CONSTRUCTION JOINTS.
4. EXPANSION JOINTS SHALL COMFORM TO SECTION 340.
5. CONTRACTION JOINTS SHALL SEPARATE LARGE AGGREGATE BY MOVING THE AGGREGATE TO EITHER SIDE OF THE JOINT FOR A MINIMUM DEPTH OF 2½ INCHES. THE FINISHED JOINT SHALL HAVE ¼ INCH MAXIMUM RADII AT THE TOP SURFACE AND BE A MINIMUM OF ¾ INCHES OF DEPTH.



**SECTION A-A
VALLEY GUTTER**

**MODIFIED MAG STD DETAIL 240
VALLEY GUTTER**
NO SCALE

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	CENTRAL MESA REUSE PIPELINE-PLANTS INTERMEDIATE PUMP STATION	
NOT FOR CONSTRUCTION OR RECORDING	CIVIL	C-00-505
	MISCELLANEOUS SITE DETAILS 5	
DRAWN BY: BR ENGINEER: JMW APPROVED BY: PJO	SHEET OF	CATALOG NUMBER:
ACTIVITY: _____ PROJ. NO.: CP0896		