

NOTES:

1. TWO PIPE JOINTS SHALL BE PROVIDED AS SHOWN WITHIN TWO FEET OF THE EXTERIOR FACE OF THE WALL.

10 FLG x WS x FLG DUCTILE IRON WALL CASTING
NOT TO SCALE

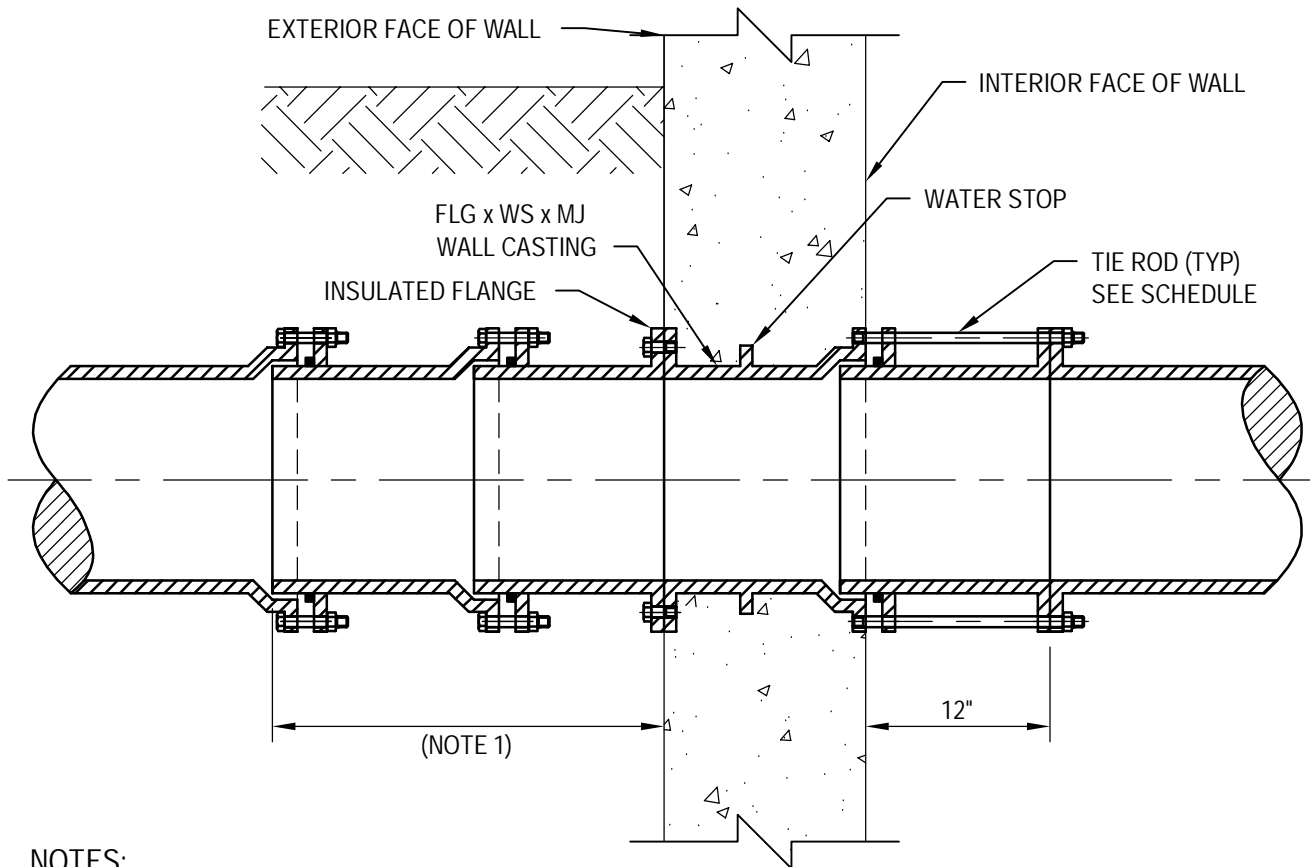


TOWN OF EMMITSBURG, MARYLAND
EMMITSBURG WWTP
ENR UPGRADE

Job Number | 8614601
Revision | A
Date | 6/12

ADDENDUM NO. 3

Figure 01



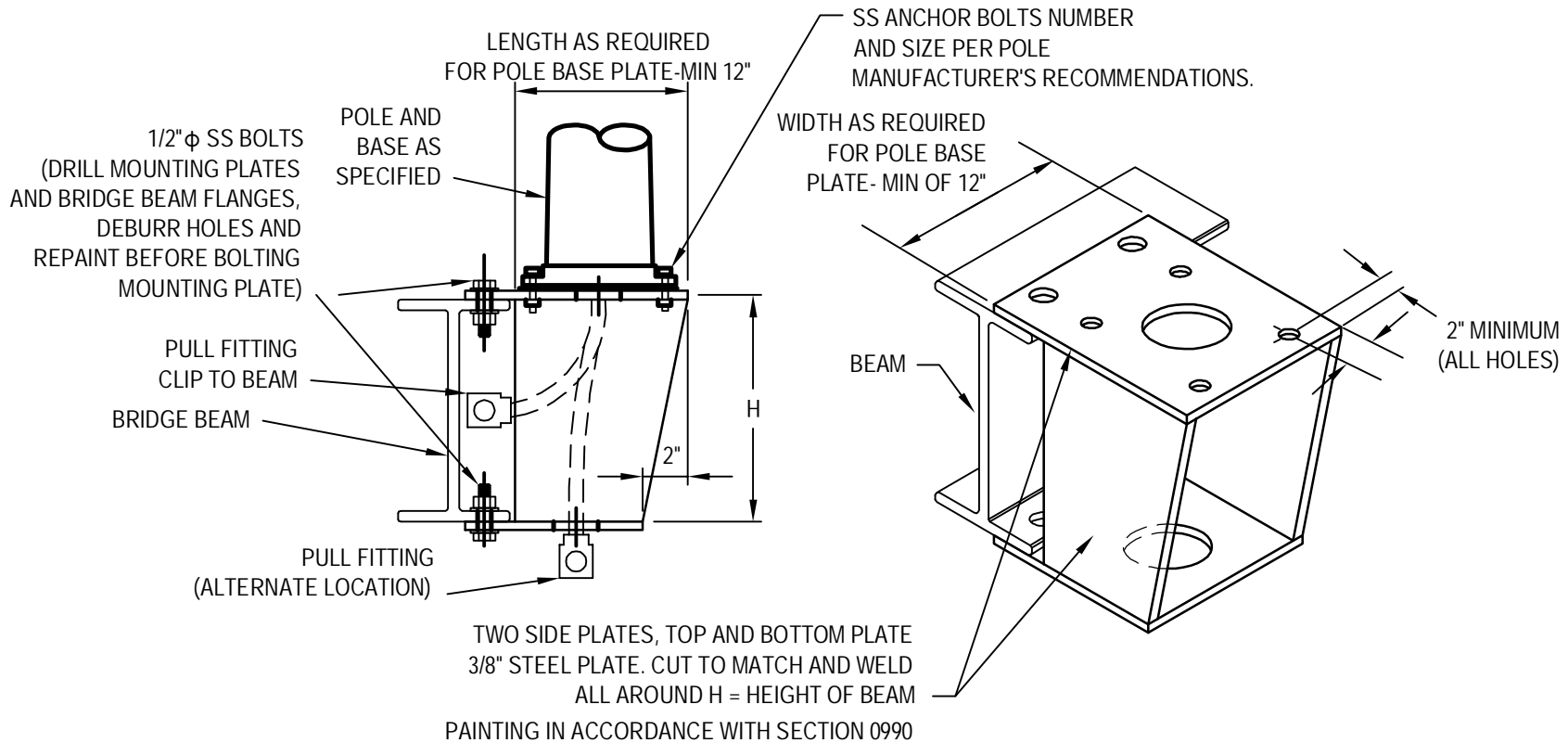
NOTES:

1. TWO PIPE JOINTS SHALL BE PROVIDED AS SHOWN WITHIN FOUR FEET OF THE EXTERIOR FACE OF THE WALL.
2. MAXIMUM TEST PRESSURE: 150 PSIG.

TIE ROD SCHEDULE		
SIZE IN	PRESSURE CLASS	
	150	
	NO. OF TIE RODS	DIA
4"	2	3/4"
6"	2	3/4"
8"	2	3/4"
10"	2	3/4"
12"	2	3/4"
14"	2	3/4"
16"	3	3/4"
18"	3	3/4"
20"	4	3/4"
24"	4	3/4"
30"	5	1"
36"	6	1"
42"	8	1 1/4"
48"	8	1 1/4"

11
FLG x WS x MJ DUCTILE IRON WALL CASTING
 NOT TO SCALE



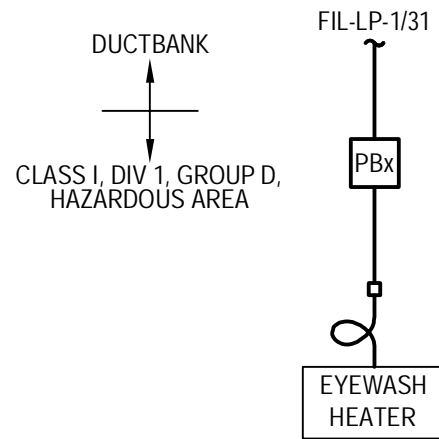


NEW TANK LIGHT POLE MOUNTING DETAIL

803A

SCALE: NTS





METHANOL EYE WASH SCHEMATIC

NOT TO SCALE



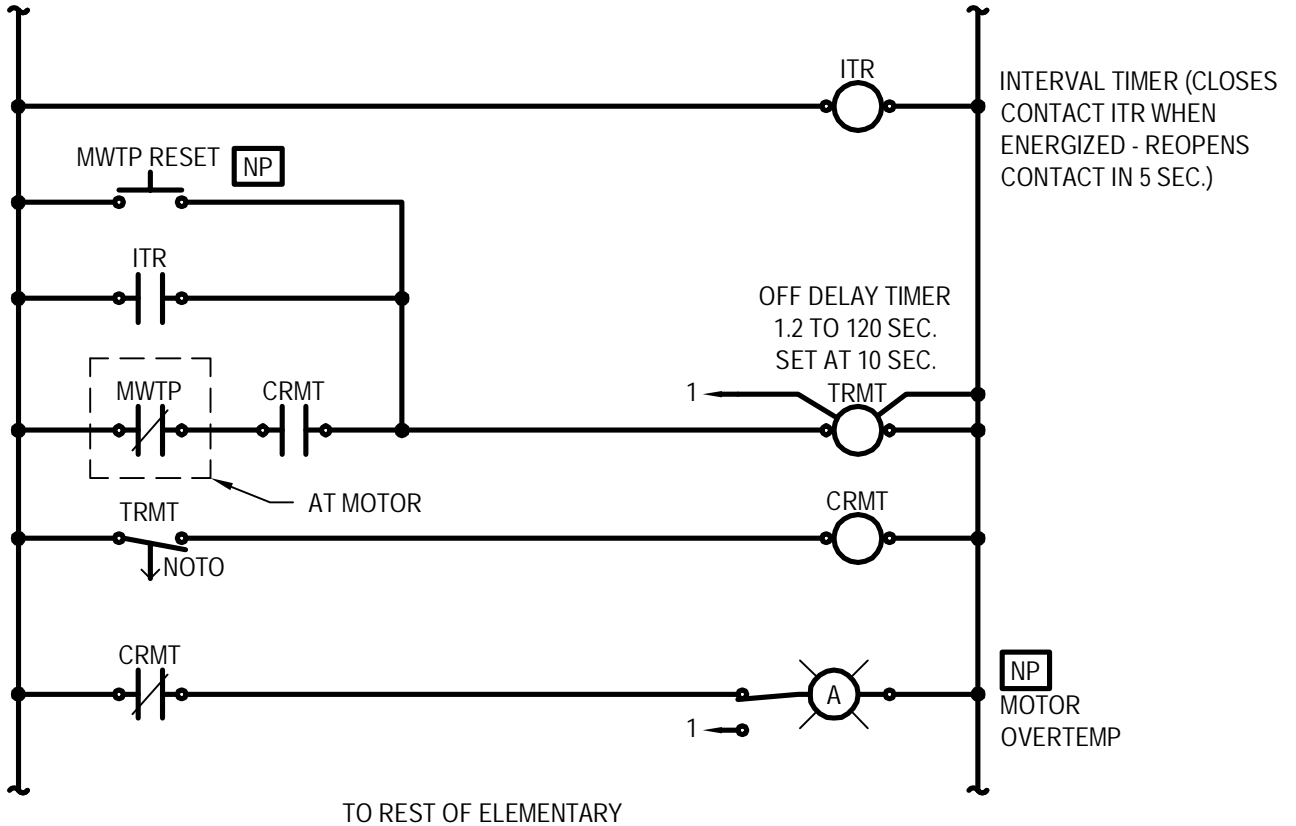
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Figure 04

TO REST OF ELEMENTARY



GENERAL MOTOR WINDING THERMAL ELEMENTARY

NOT TO SCALE

NOTE: SEE RESPECTIVE ELEMENTARIES FOR FULL CONTROL LOGIC

TYPICAL FOR SCL-CD-100 AND SCL-CD-200; CBB-AB-201 AND CBB-AB-202; CBB-AB-101, CBB-AB-102 AND CBB-AB-103; EFF-MIX-100; EFF-PWP-100 AND EFF-PWP-101; DWF-SLDP-100 AND DWF-SLDP-200.



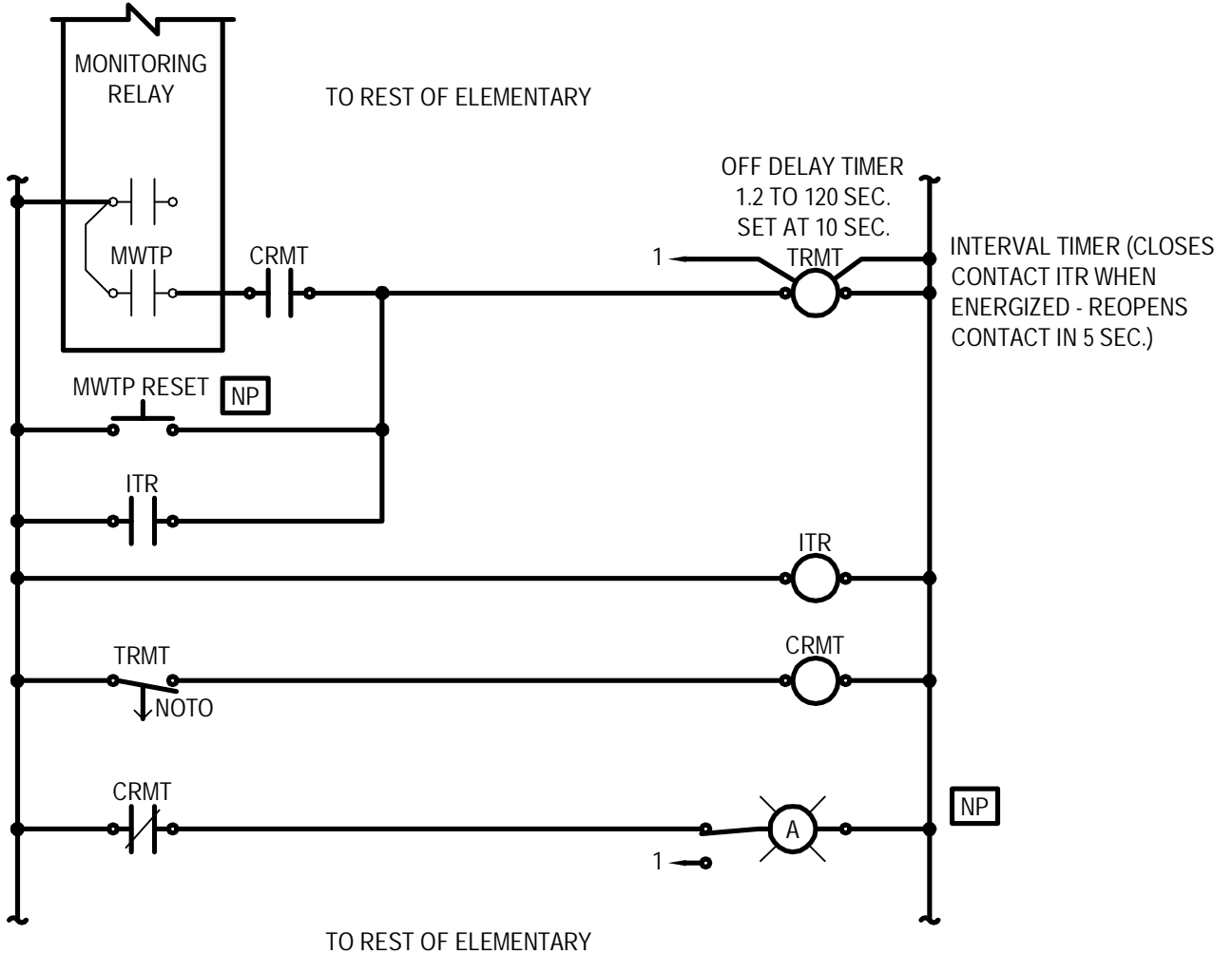
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Figure 05

MONITORING RELAY FURNISHED BY PUMP MANUFACTURER TO ELECTRICAL TRADE TO INSTALL AND WIRE IN JUNCTION BOX NEAR THE PUMP. CONTRACTOR SHALL COORDINATE ACTUAL RELAY WIRING AND CONNECTIONS WITH RELAY WIRING DIAGRAM AND PROVIDE ANY AND ALL ADDITIONAL RELAYS AND CONNECTIONS AS REQUIRED.



MOTOR OVERLOAD - RELAY INITIATED ELEMENTARY

NOT TO SCALE

NOTE: SEE RESPECTIVE ELEMENTARIES FOR FULL CONTROL LOGIC

TYPICAL FOR RAS-RS-100 AND RAS-RS-101; RAS-SCP-100 AND RAS-SCP-101; AED-DCP-100 AND AED-DCP-200.



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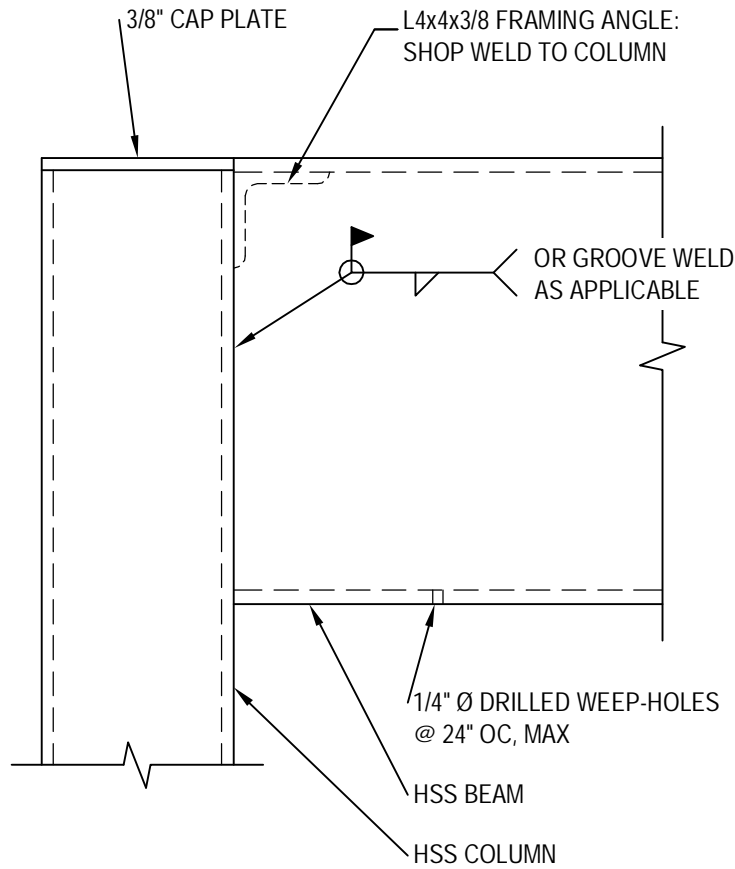
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Revision | A

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Figure 06



(REFER DRAWINGS S013 AND S027)

HSS BEAM TO HSS COLUMN CONNECTION

NOT TO SCALE

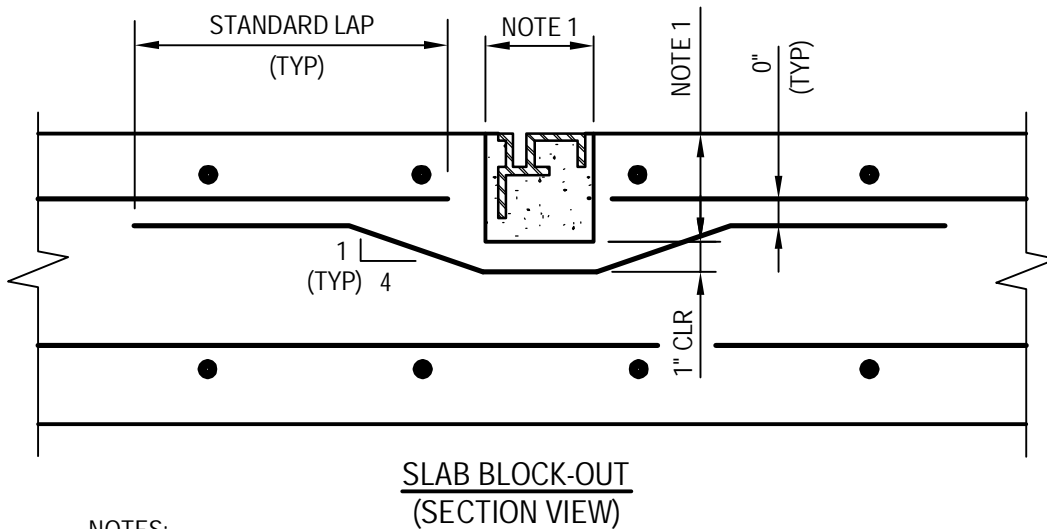
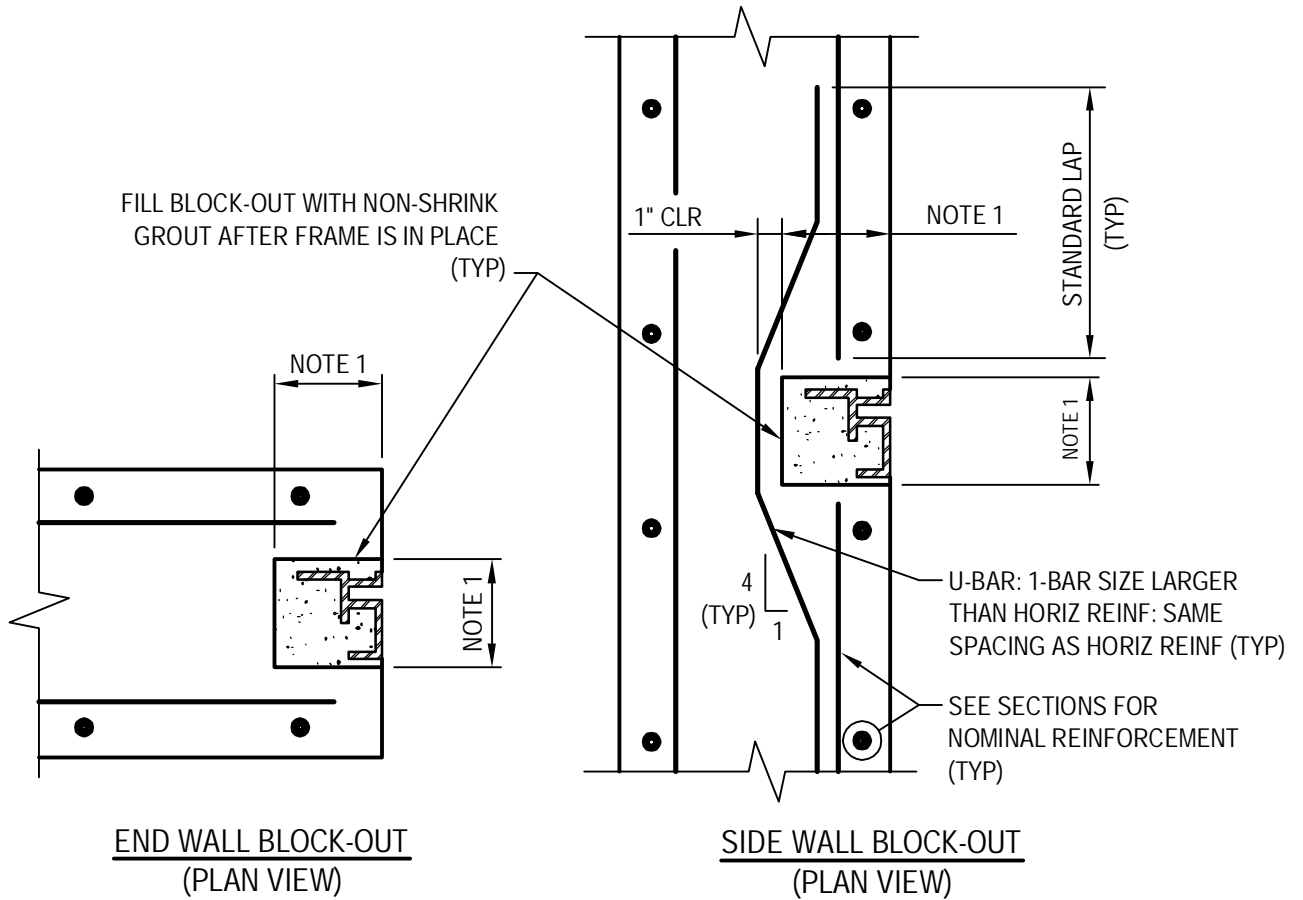


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Figure 07



NOTES:

1. COORDINATE BLOCK-OUT SIZE WITH APPROVED GATE MANUFACTURER.

SLIDE GATE BLOCK-OUT

NOT TO SCALE

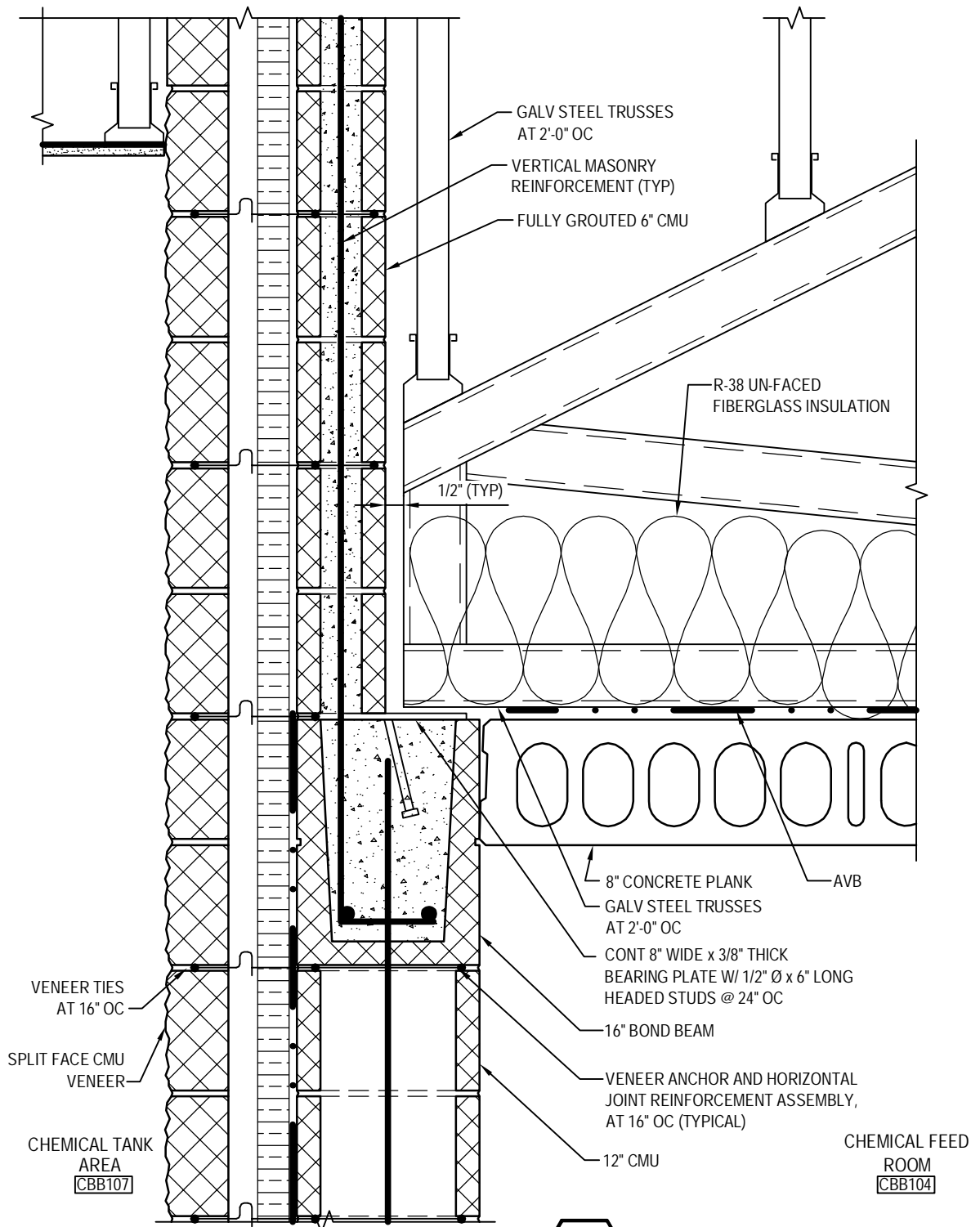


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Figure 08



G DETAIL
 A019 NOT TO SCALE

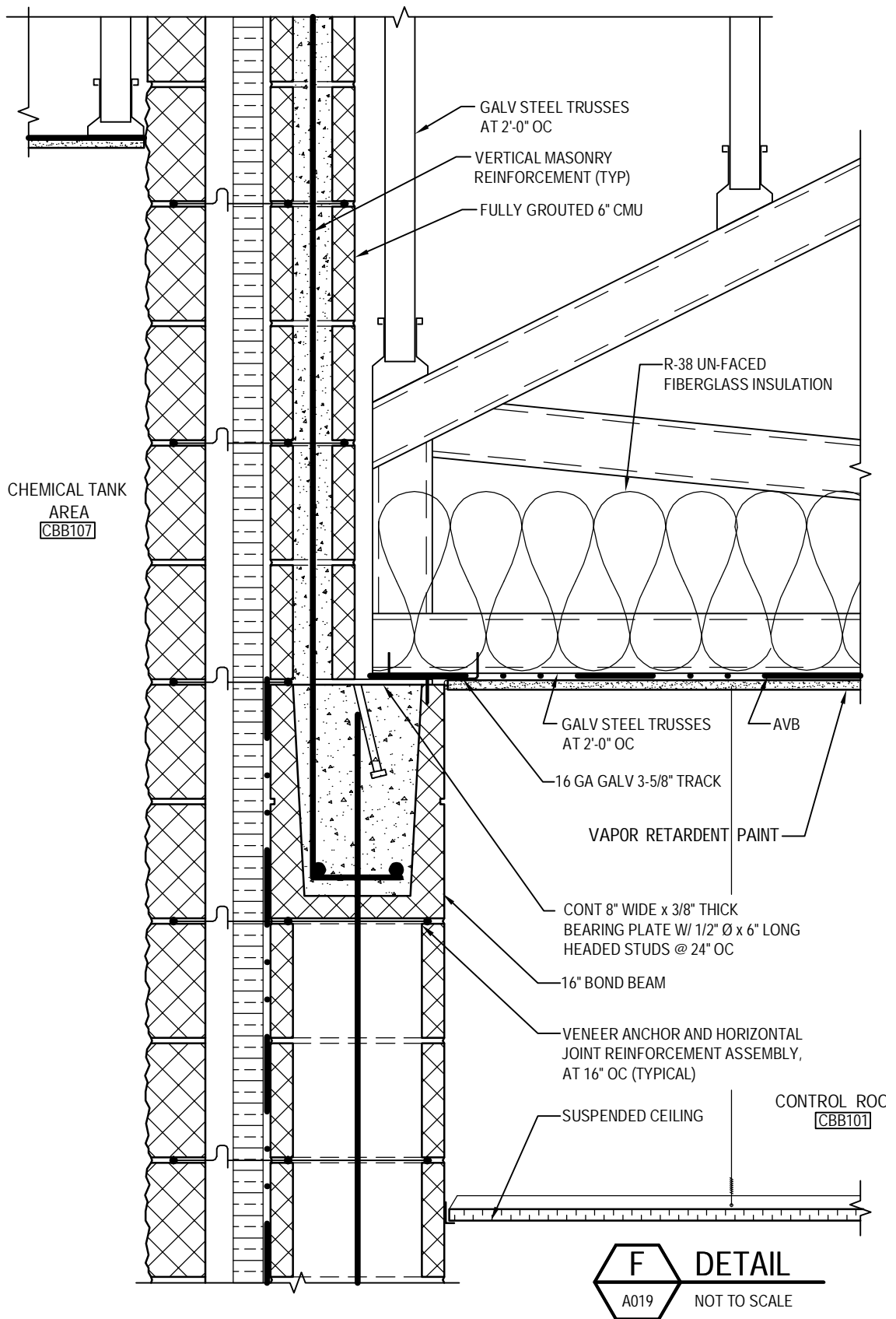


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Figure 09

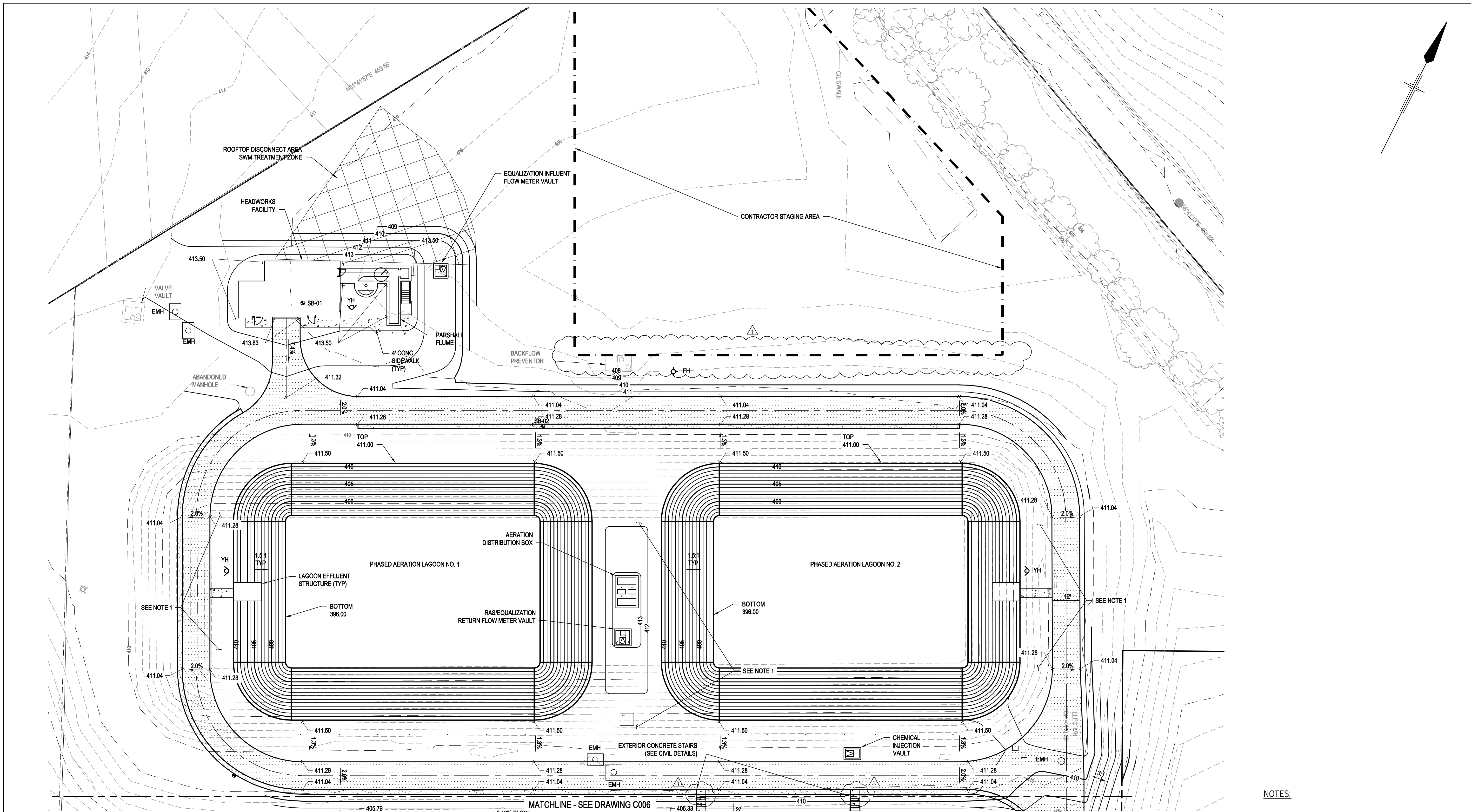


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Figure 10

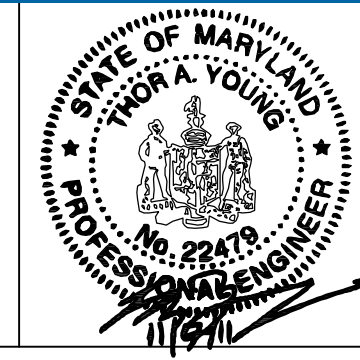
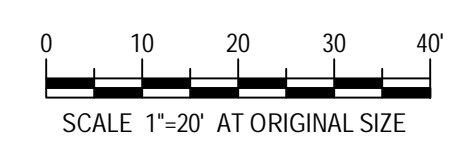


- NOTES:**
- CONTRACTOR SHALL PLACE NON-STRUCTURAL FILL UP TO ELEVATION 411 IN THE REMAINDER OF EXISTING AERATION LAGOON NO. 1.

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PARTIAL SITE AND GRADING PLAN I
SCALE 1"=20'

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
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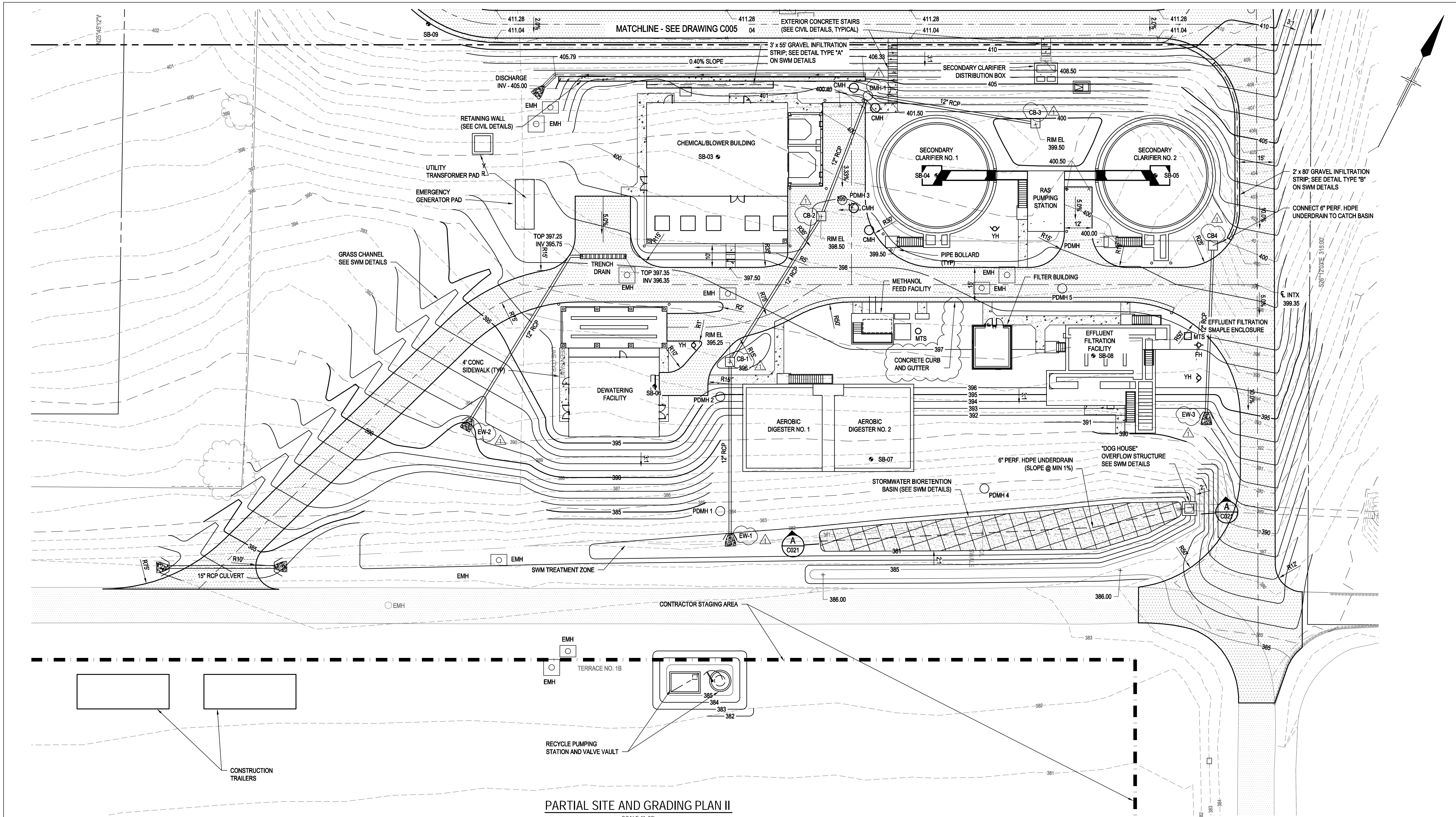
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Project **EMMITSBURG WWTP ENR UPGRADE**
Title **PARTIAL SITE AND GRADING PLAN I**

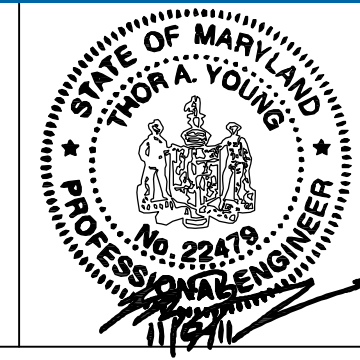
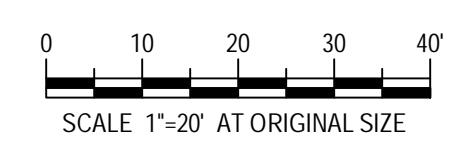
Original Size **Ansi D** Drawing No: **86-14601-C005** Rev: **1**

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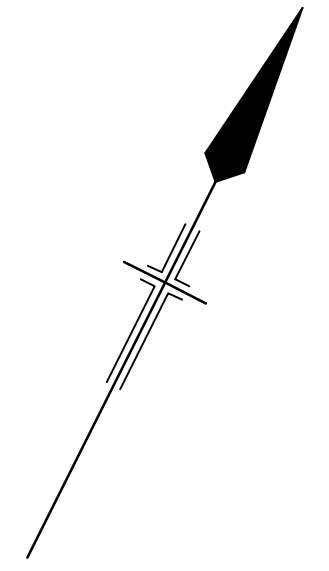
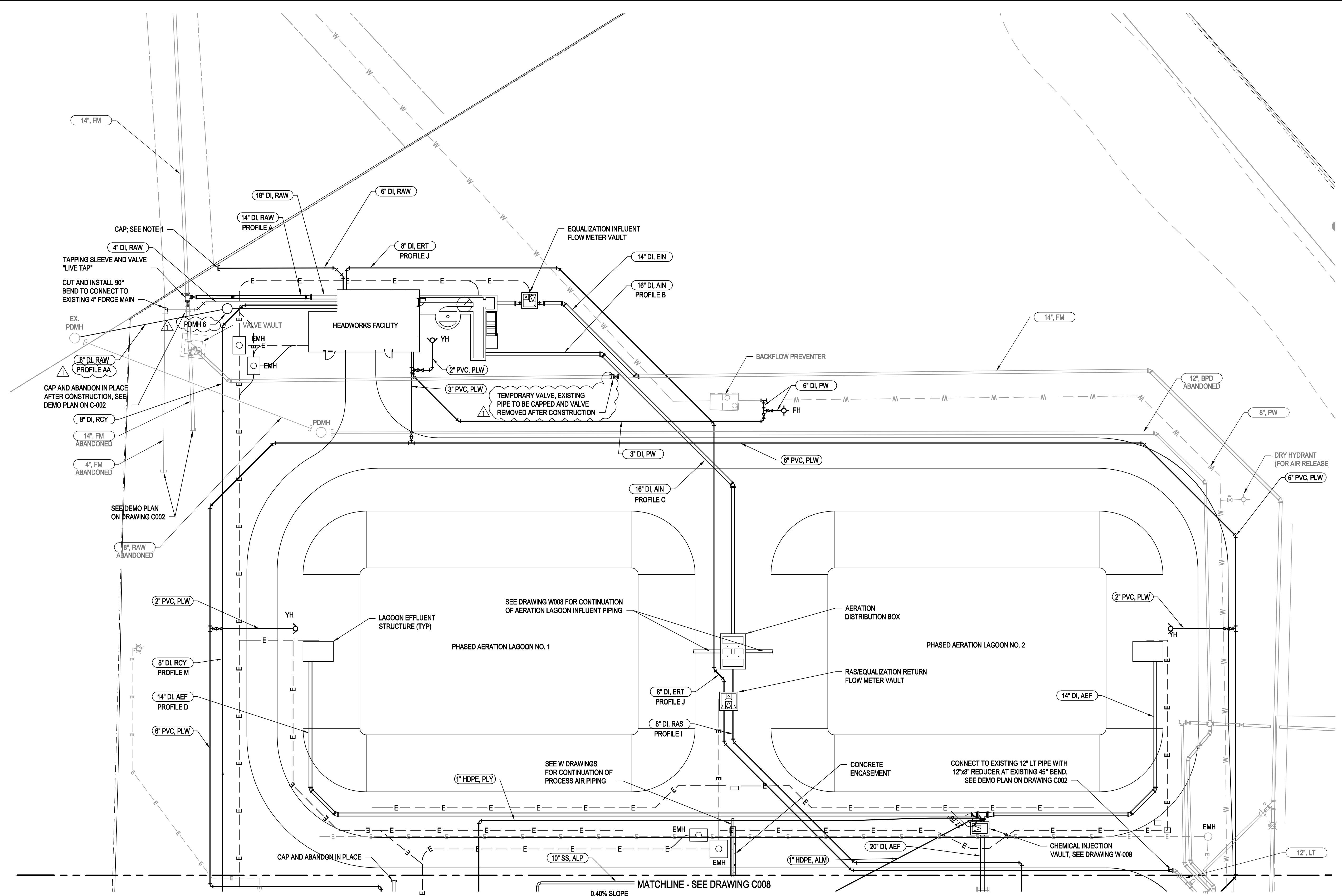
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Original Size **ANSI D** Drawing No: **86-14601-C006** Rev: **1**

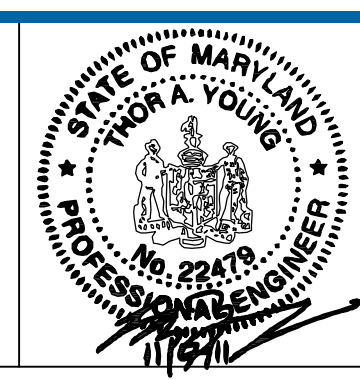
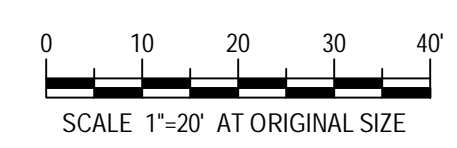


- NOTES:**
- CONTRACTOR SHALL IDENTIFY END OF PIPE & CAP WITH BRIGHT COLORED METAL YARD STAKE; MIN 4" EXPOSURE ABOVE GROUND.
 - SEE W DRAWINGS FOR CARRIER PIPE SIZES AND SCHEMATICS.

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PARTIAL YARD PIPING PLAN I
 SCALE 1"=20'

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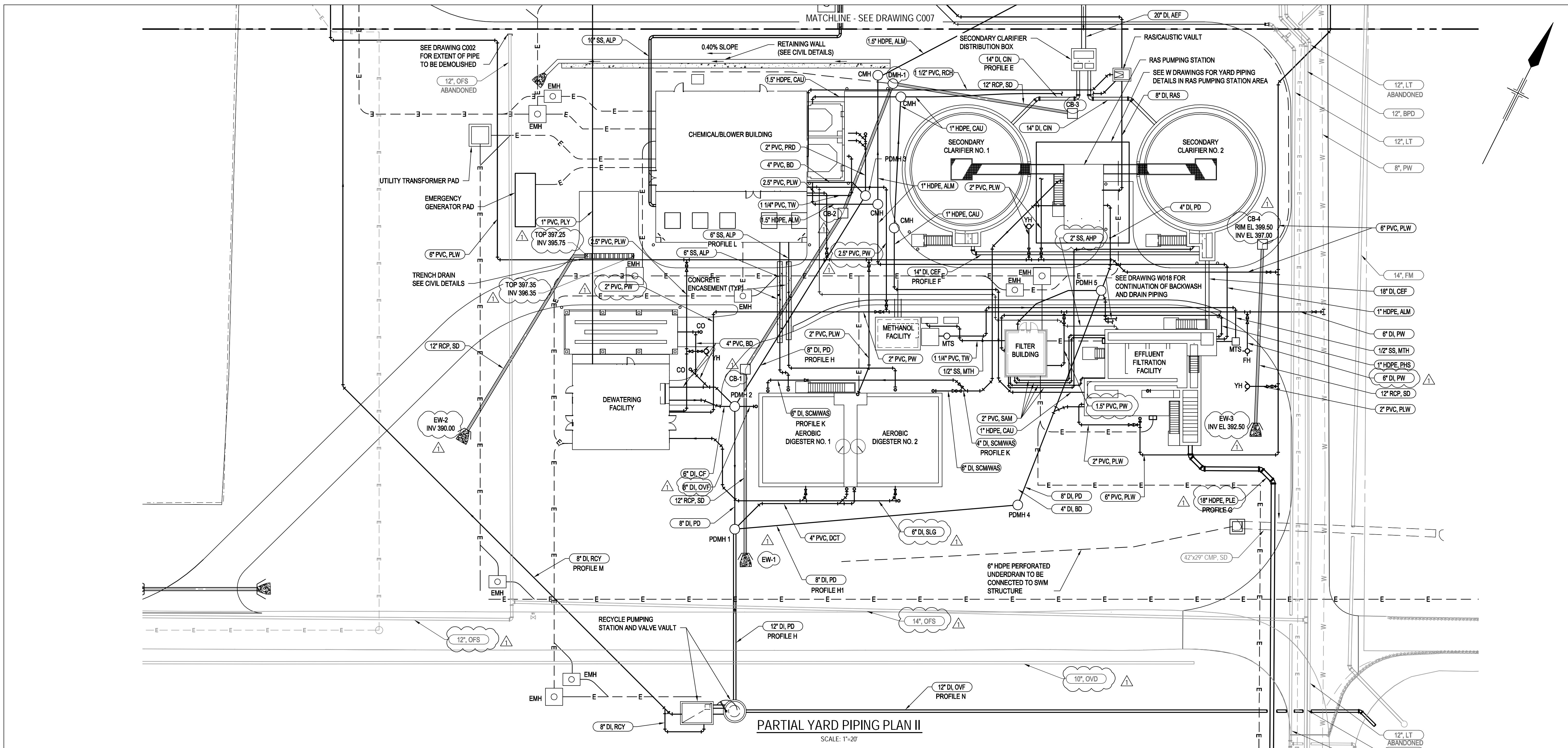
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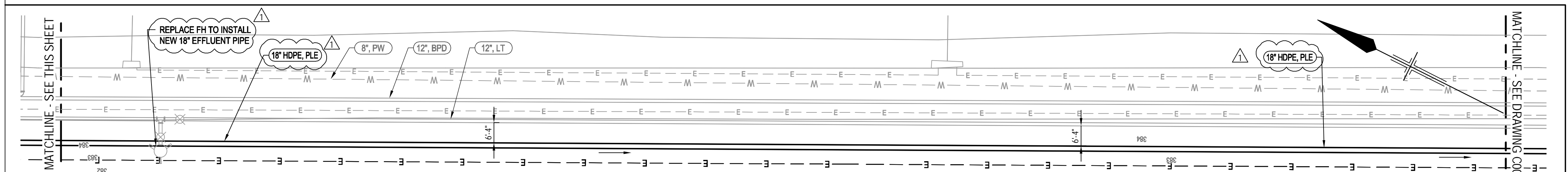
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Original Size	ANSI D
Drawing No:	86-14601-C007
Rev:	1



PARTIAL YARD PIPING PLAN II
SCALE: 1"=20'

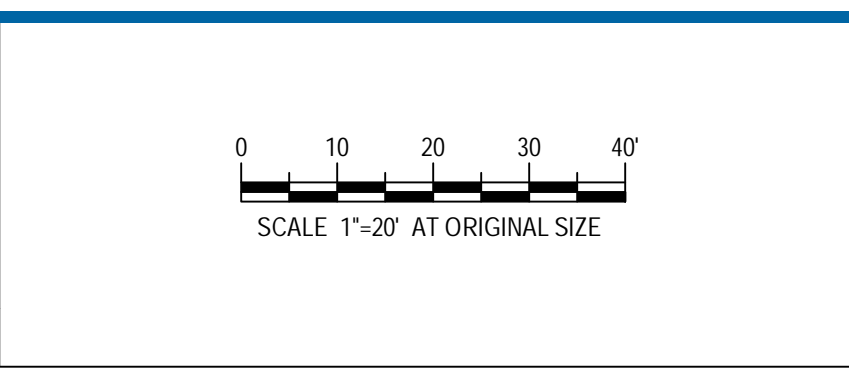


MATCHLINE - YARD PIPING PLAN
SCALE: 1"=20'

NOTES:
1. SEE W DRAWINGS FOR CARRIER PIPE SIZES AND SCHEMATICS.

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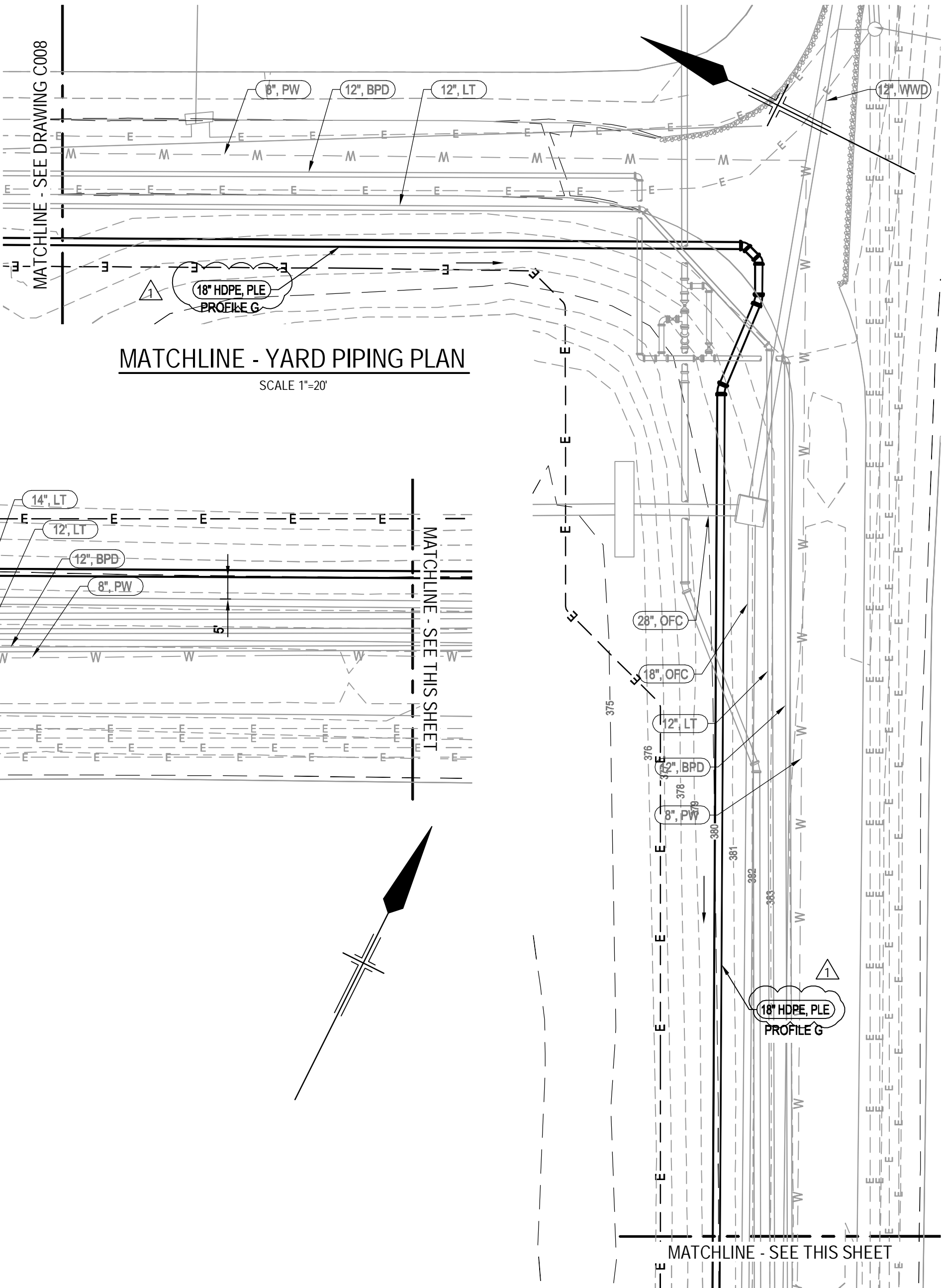
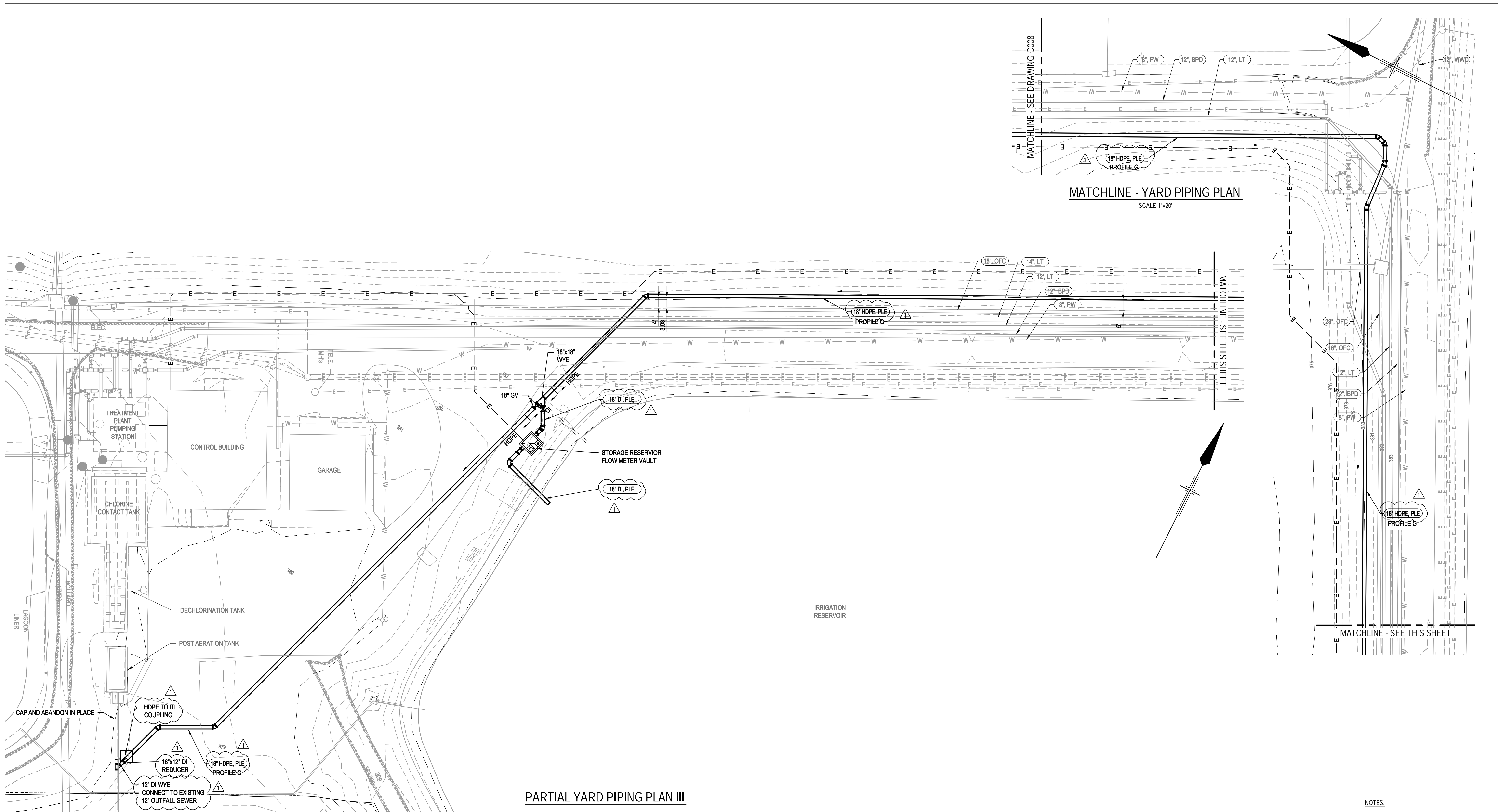
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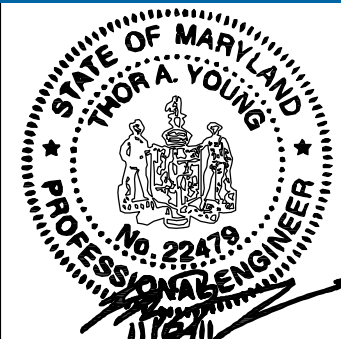
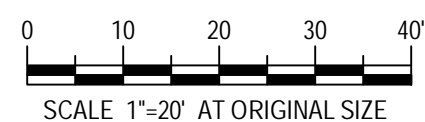
PARTIAL YARD PIPING PLAN III

SCALE 1"=20'

NOTES:
1. SEE W DRAWINGS FOR CARRIER PIPE SIZES AND SCHEMATICS.

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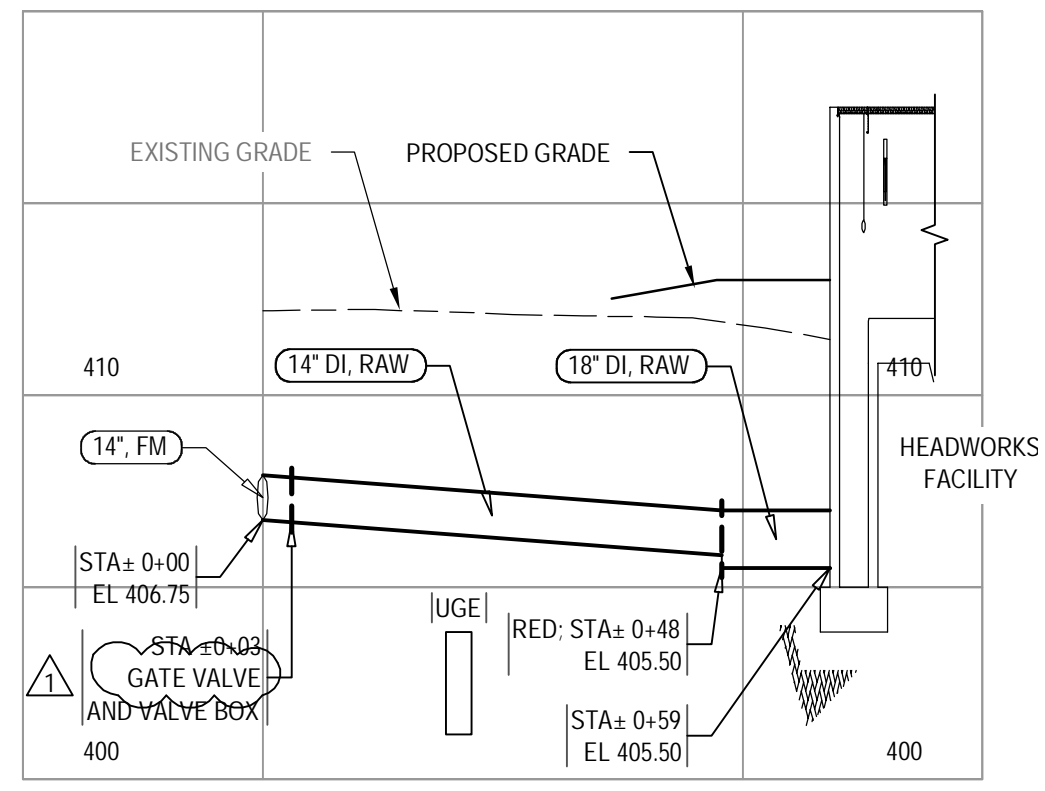
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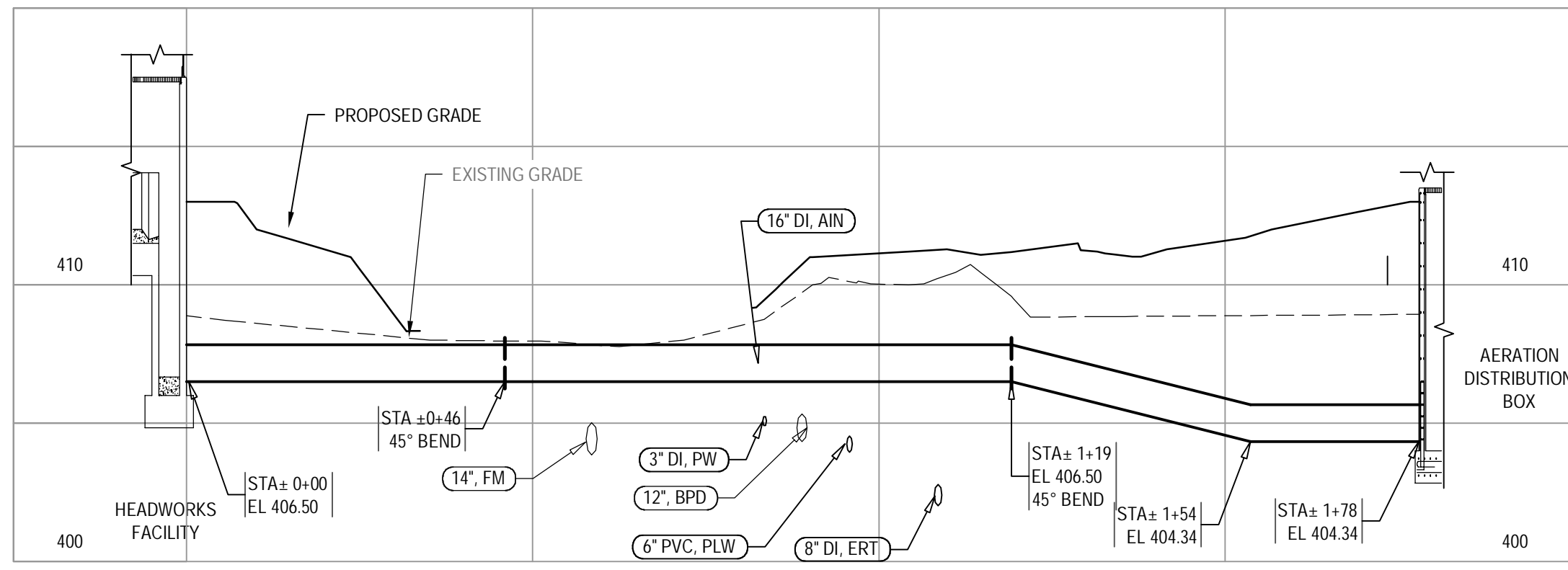
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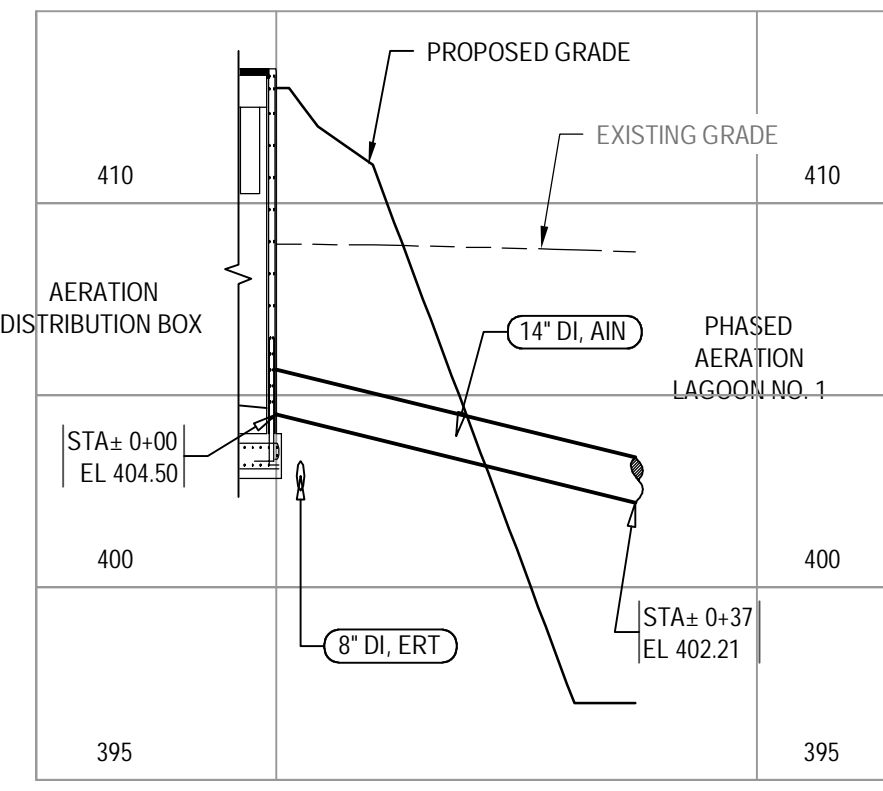
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Title	PARTIAL YARD PIPING PLAN III		
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		Rev:	1



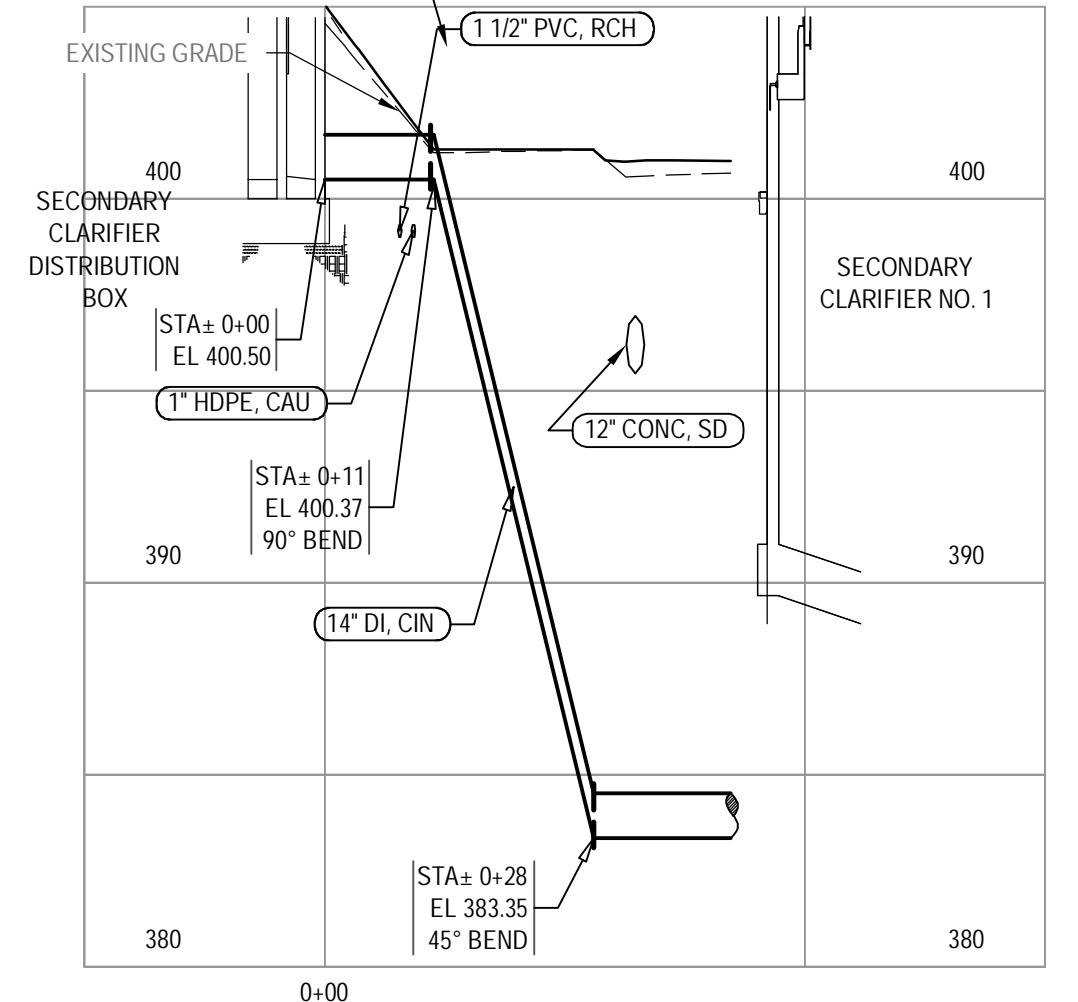
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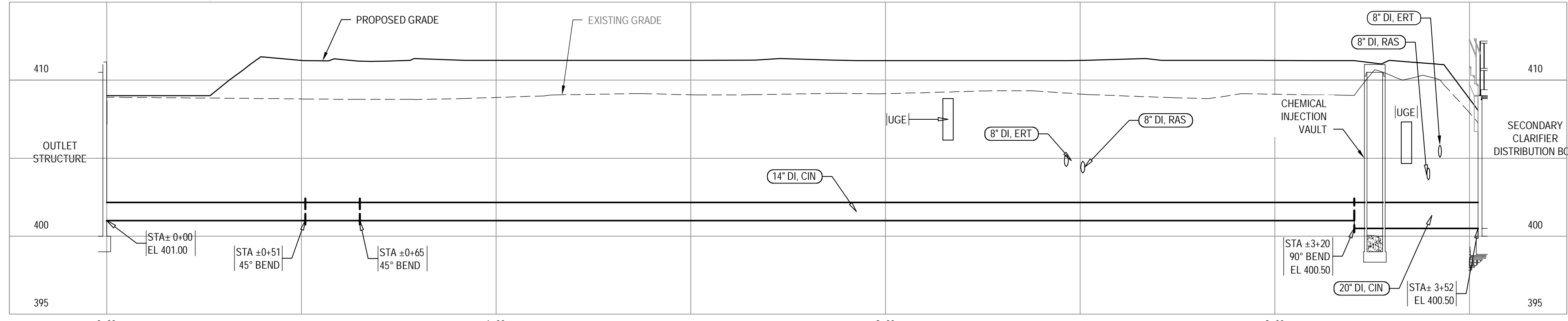
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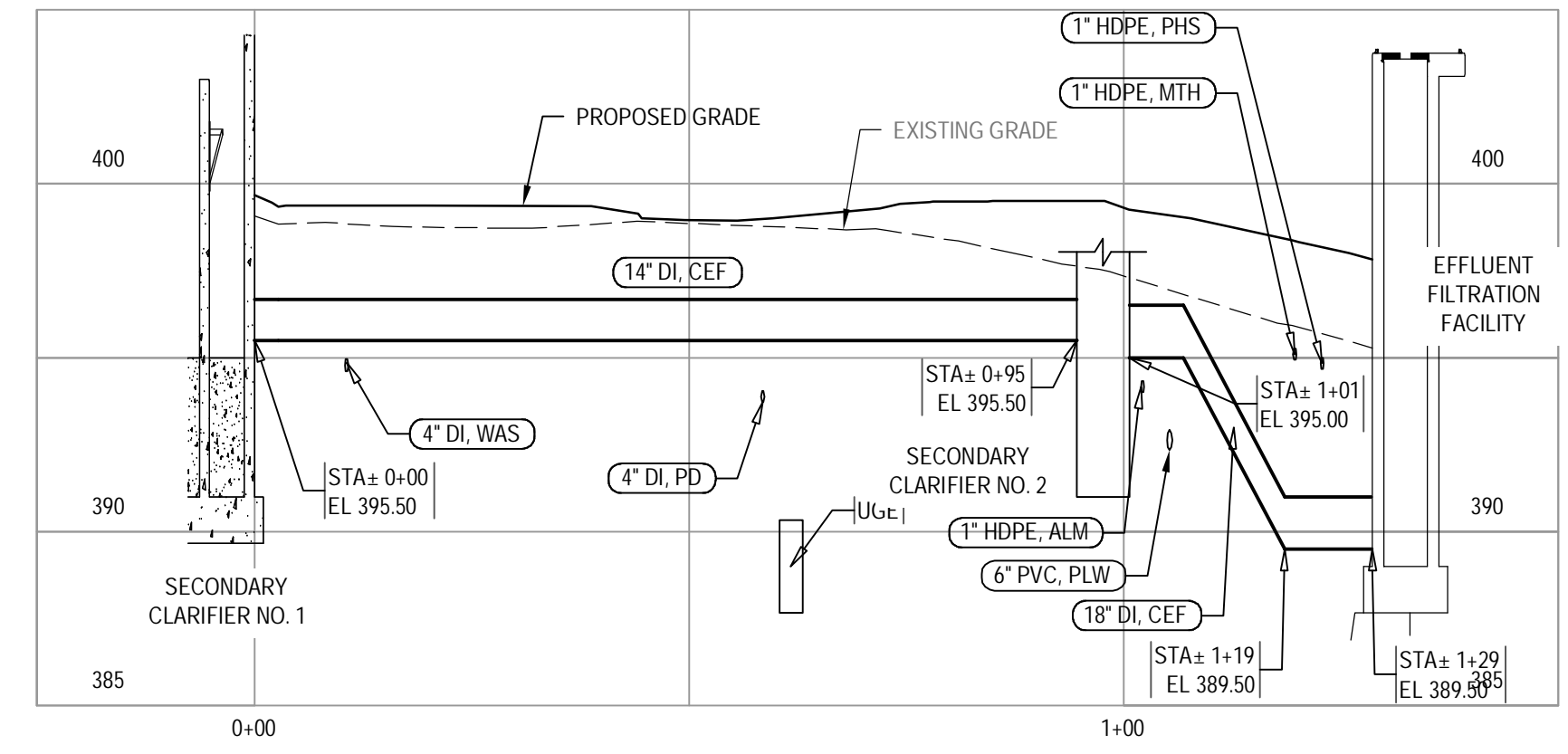
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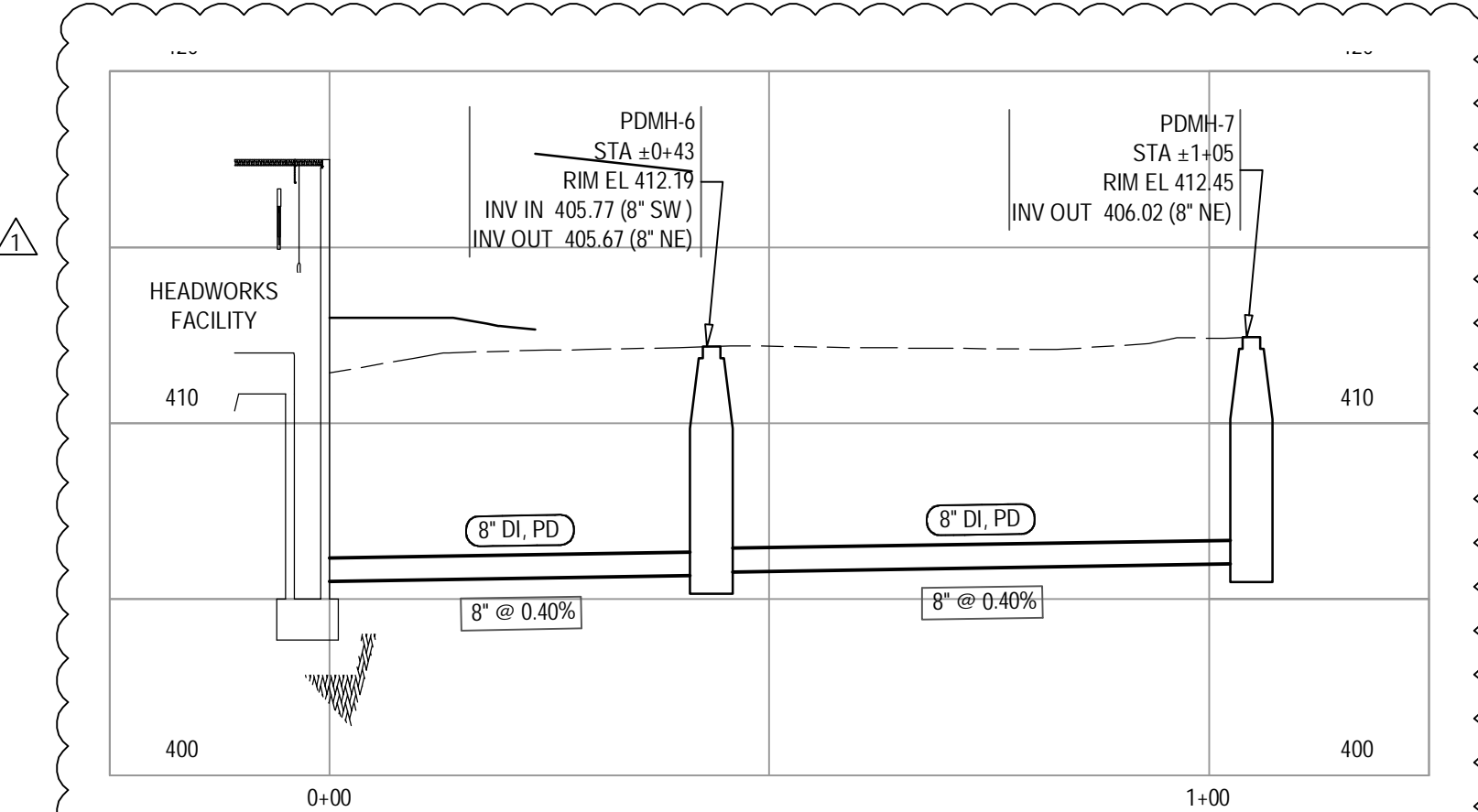
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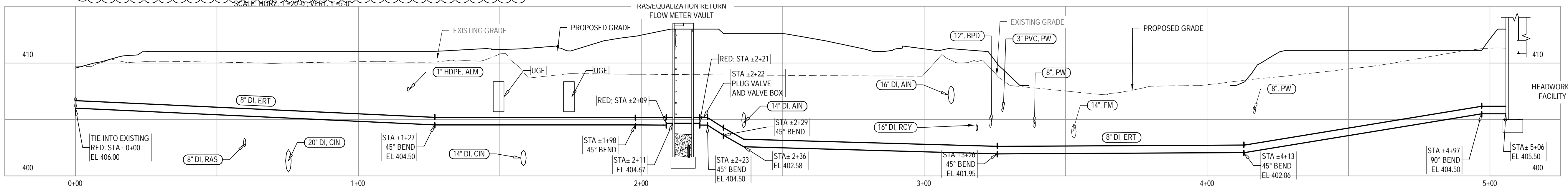
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PROFILE F - CEF
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0" * SEE NOTE 1



PROFILE AA - RAW
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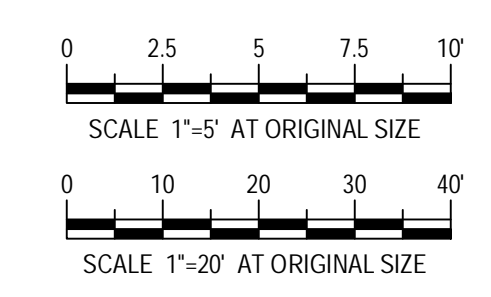


PROFILE J - ERT
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0" * SEE NOTE 1

NOTE:
1. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL VERTICAL BENDS IN ORDER TO ACCOMMODATE NECESSARY PIPE ELEVATION ADJUSTMENTS. THIS NOTE APPLIES TO ALL YARD PIPING.

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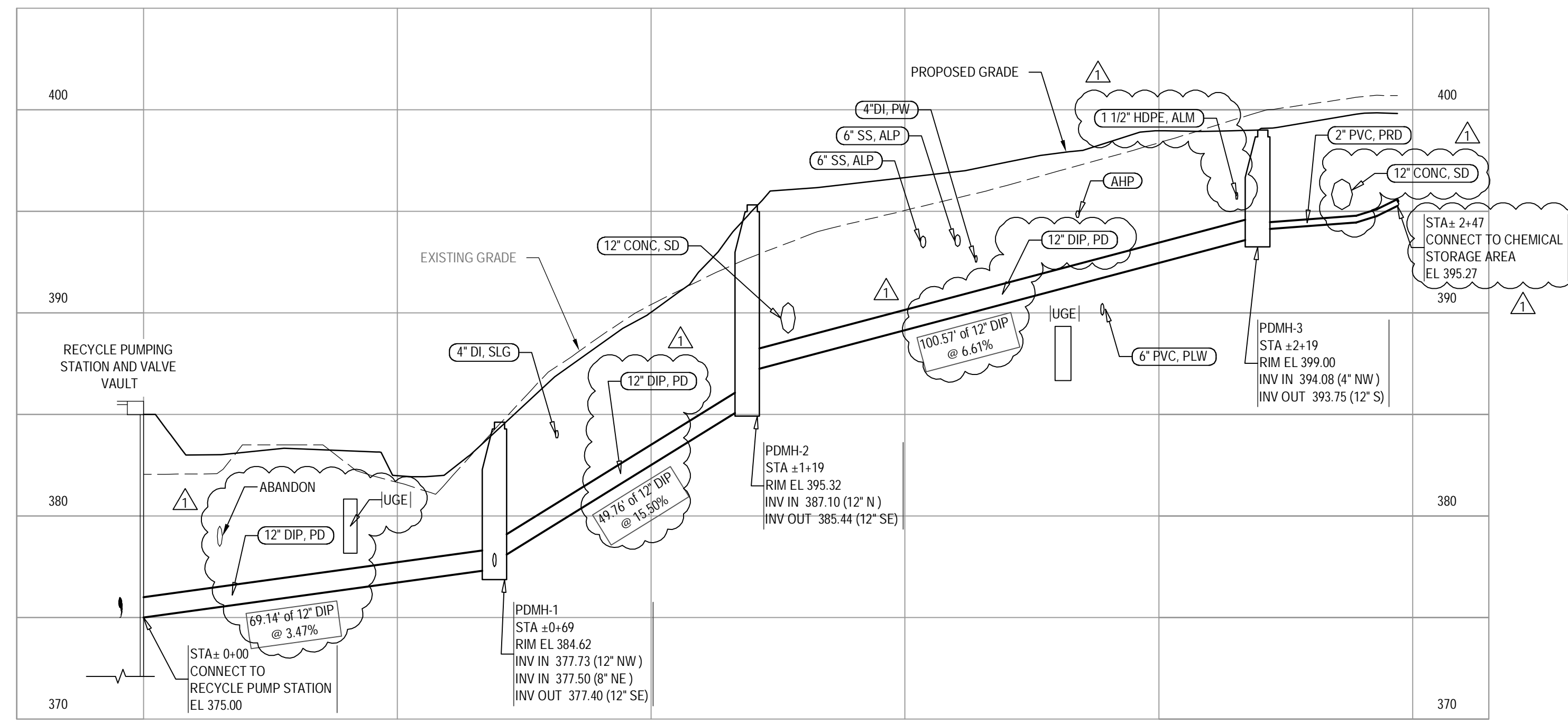
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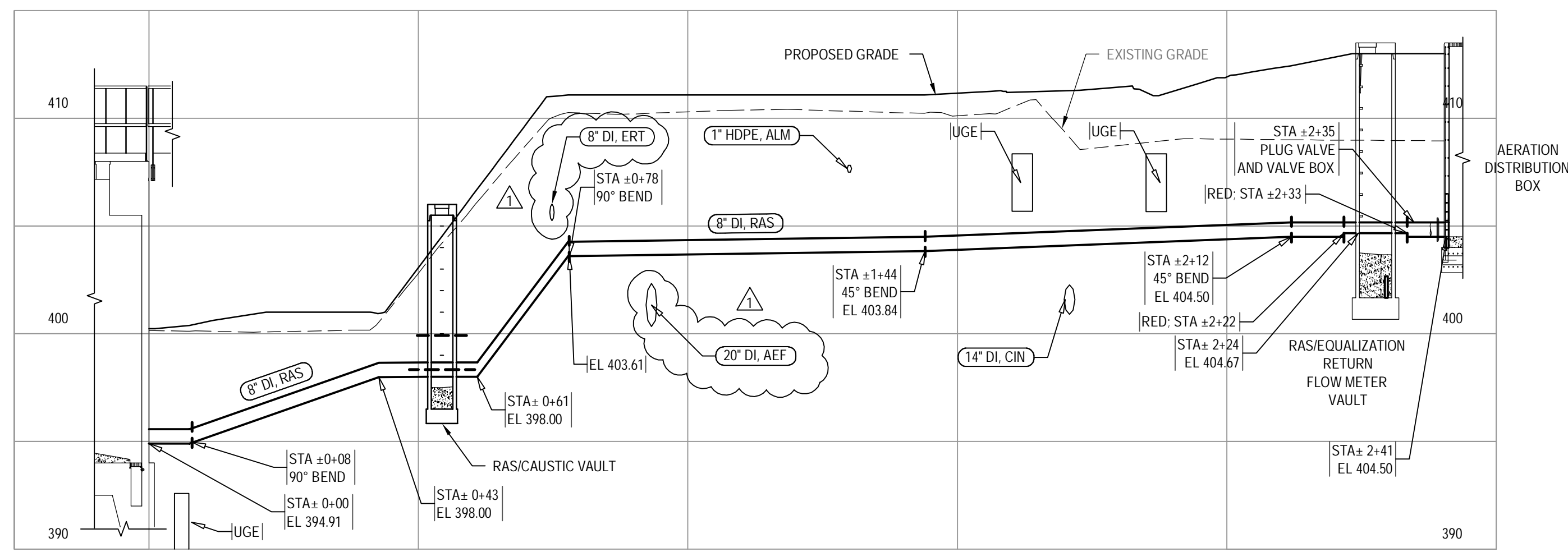
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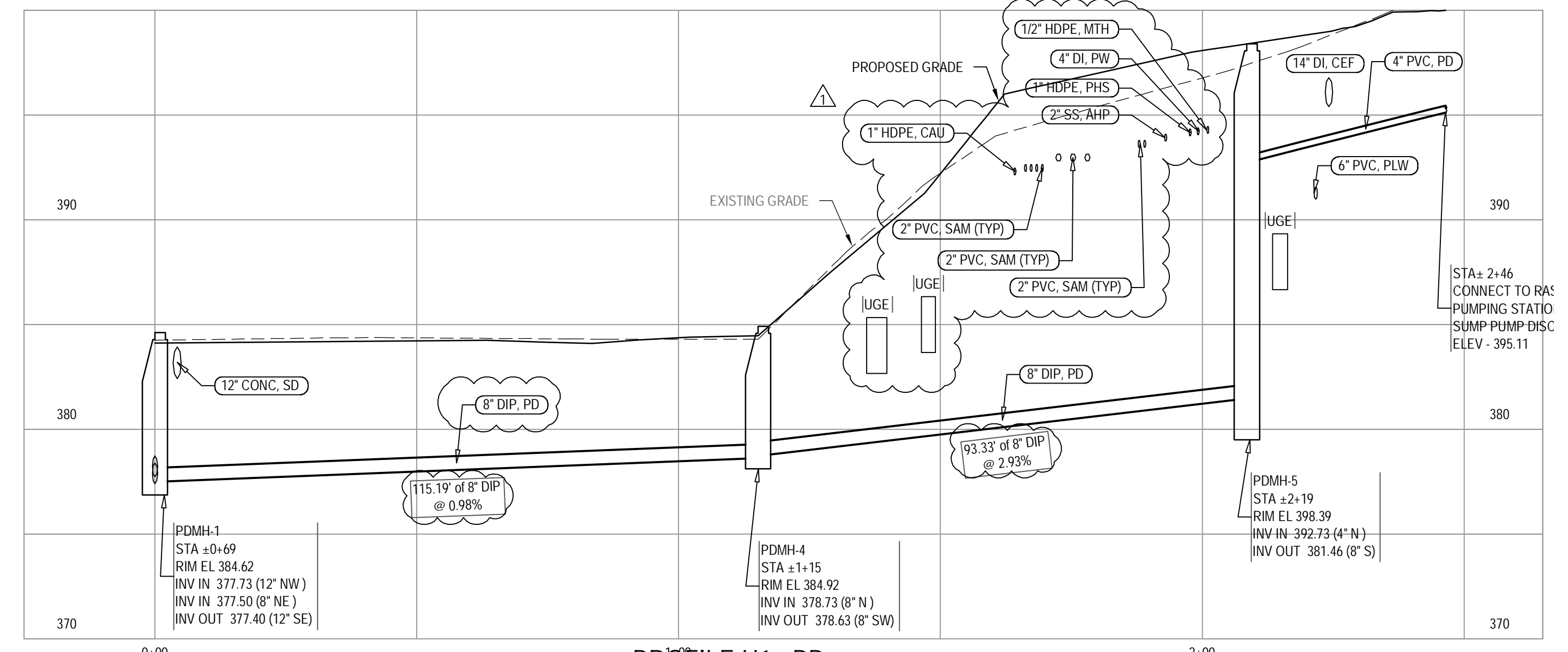
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Title	YARD PIPING PROFILES I
Original Size	ANSI D
Drawing No:	86-14601-C010
Rev:	0



PROFILE H - PD
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"



PROFILE I - RAS
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0" * SEE NOTE 1

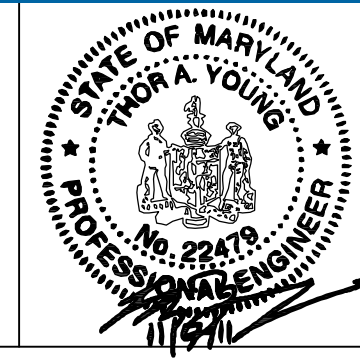
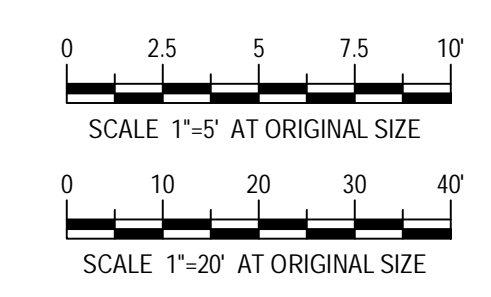


PROFILE H1 - PD
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"

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1. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL VERTICAL BENDS IN ORDER TO ACCOMMODATE NECESSARY PIPE ELEVATION ADJUSTMENTS. THIS NOTE APPLIES TO ALL YARD PIPING.

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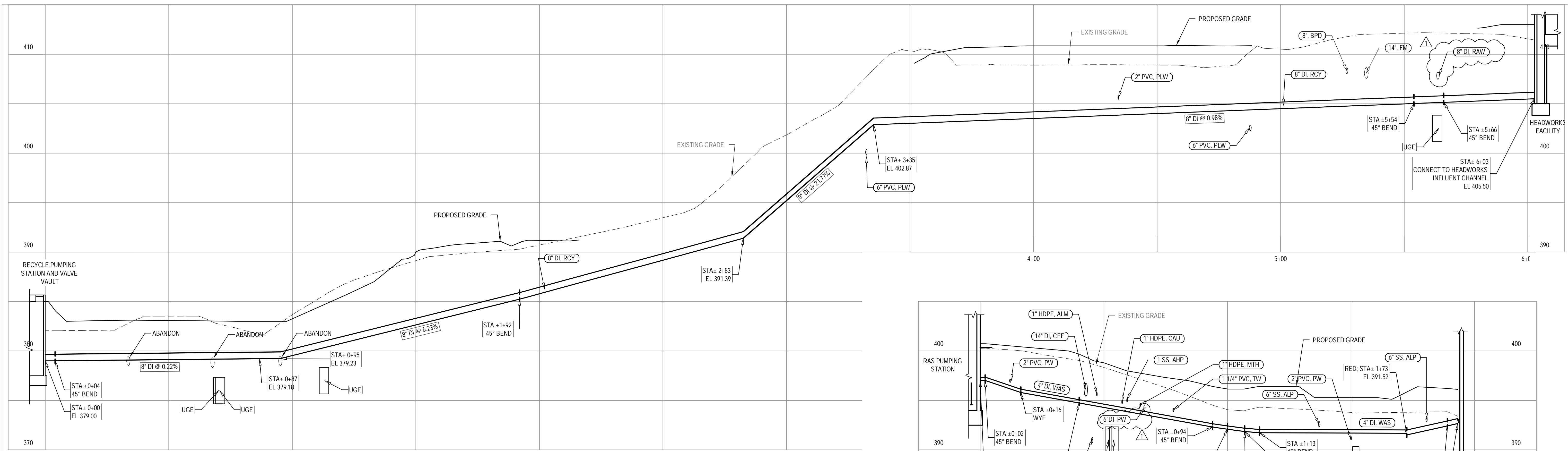
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0	FOR BID	BSR	MEC	TAY	11/11	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



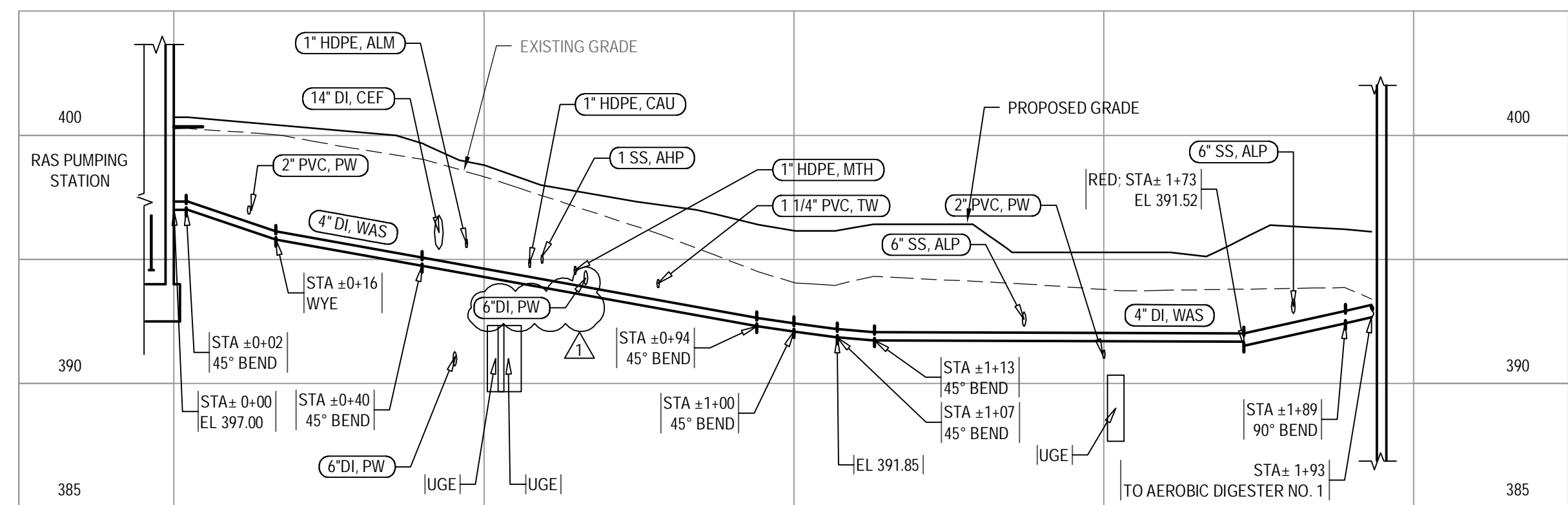
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Approved TAY	Date 11/11	Scale AS SHOWN

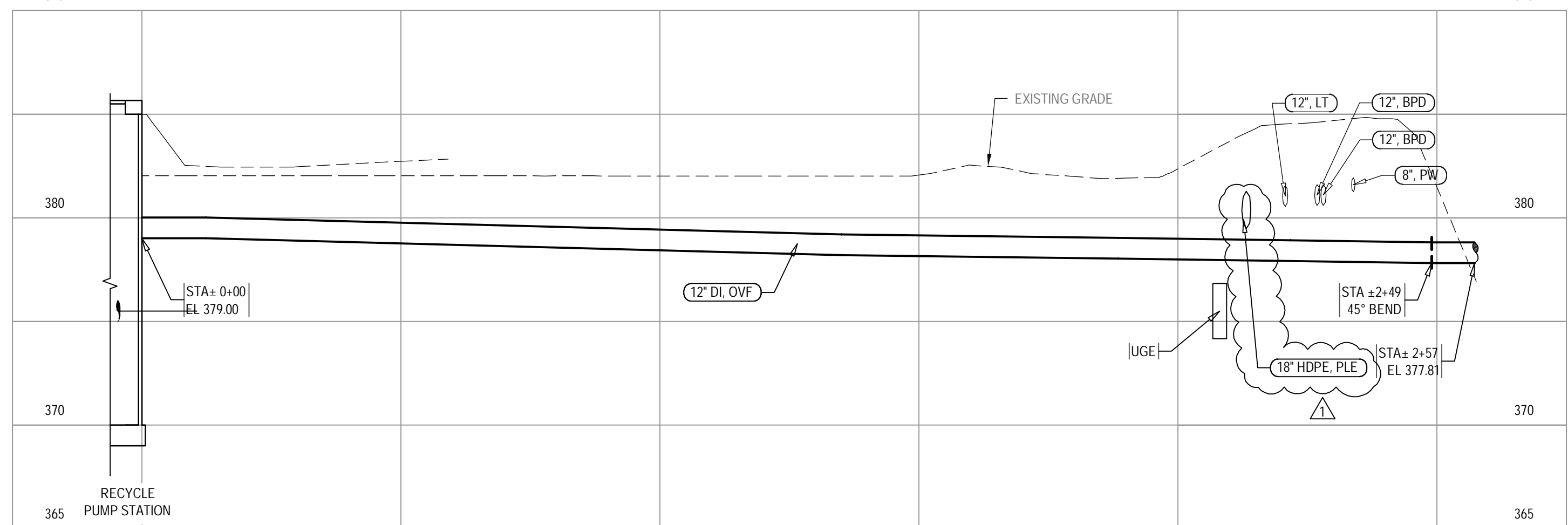
Client **TOWN OF EMMITSBURG, MARYLAND**
Project **EMMITSBURG WWTP ENR UPGRADE**
Title **YARD PIPING PROFILES III**
Original Size **Ansi D** Drawing No: **86-14601-C012** Rev: **0**



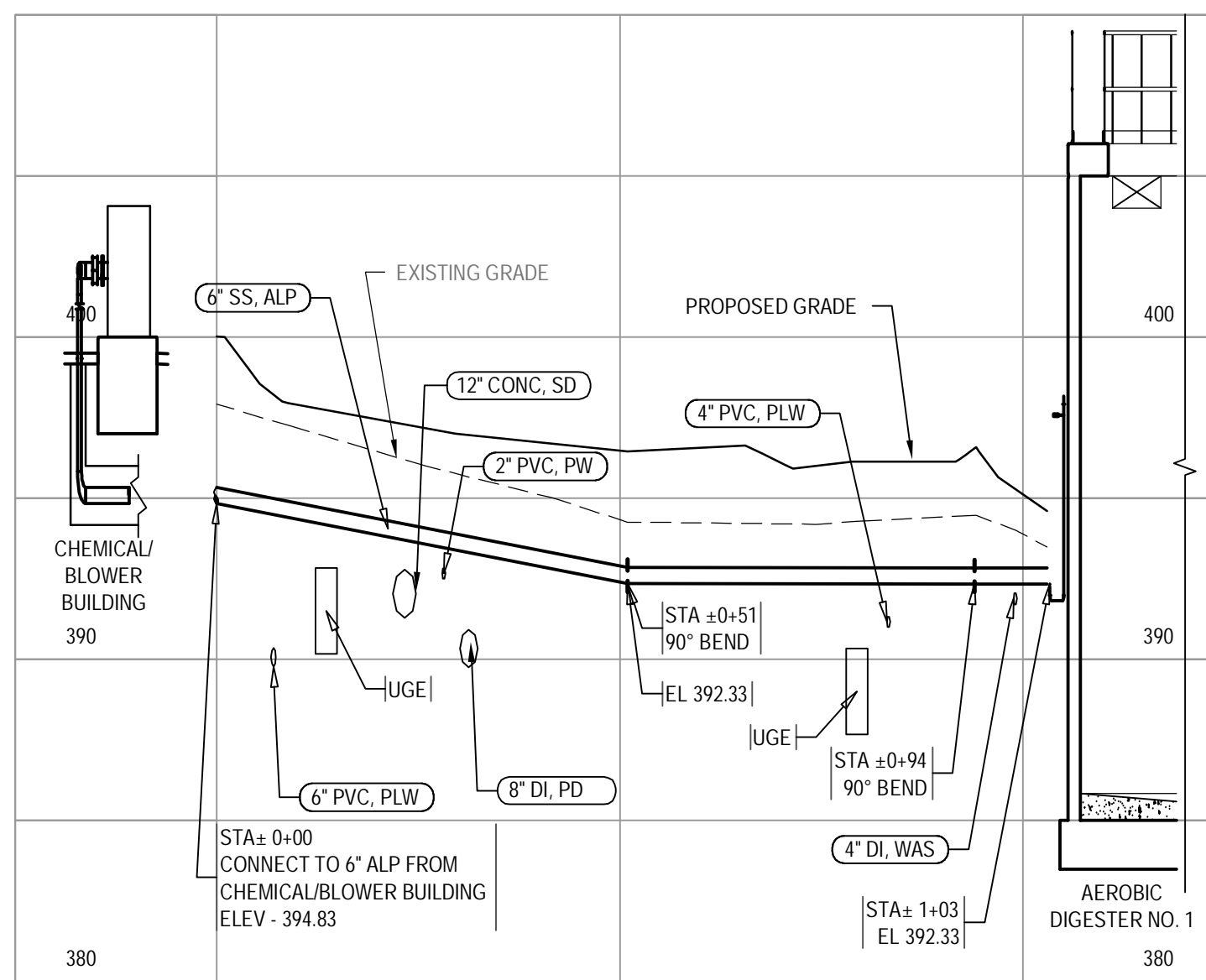
PROFILE M - RCY
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"



PROFILE K - WAS
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"



PROFILE N - OV
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"

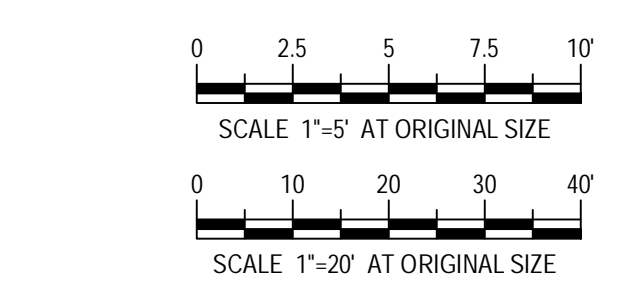


PROFILE L - ALP
SCALE: HORZ. 1"=20'-0"; VERT. 1"=5'-0"

NOTE:
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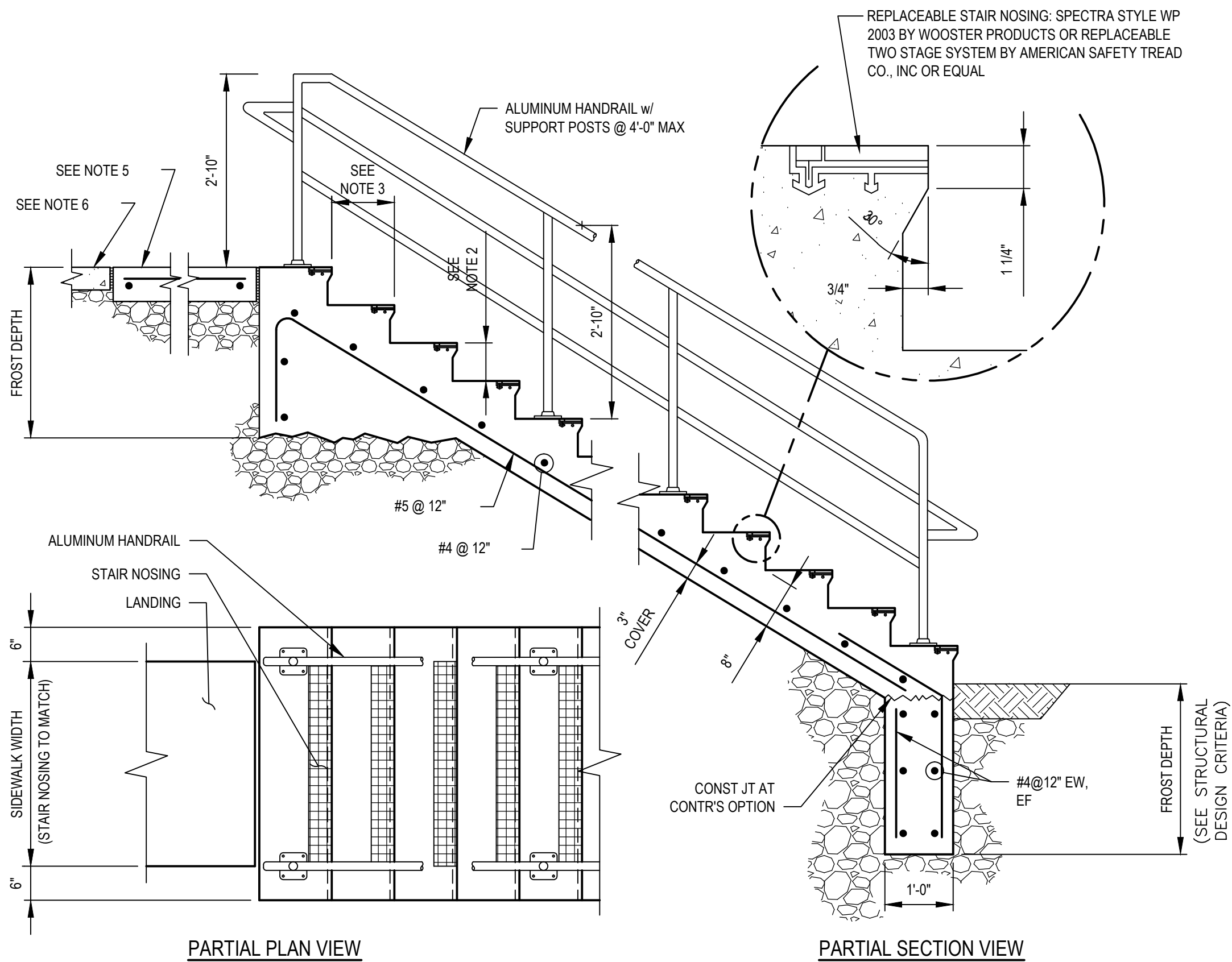
1	ADDENDUM NO. 3	JSS	JHC	TAY	06/12	
0	FOR BID	BSR	MEC	TAY	11/11	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



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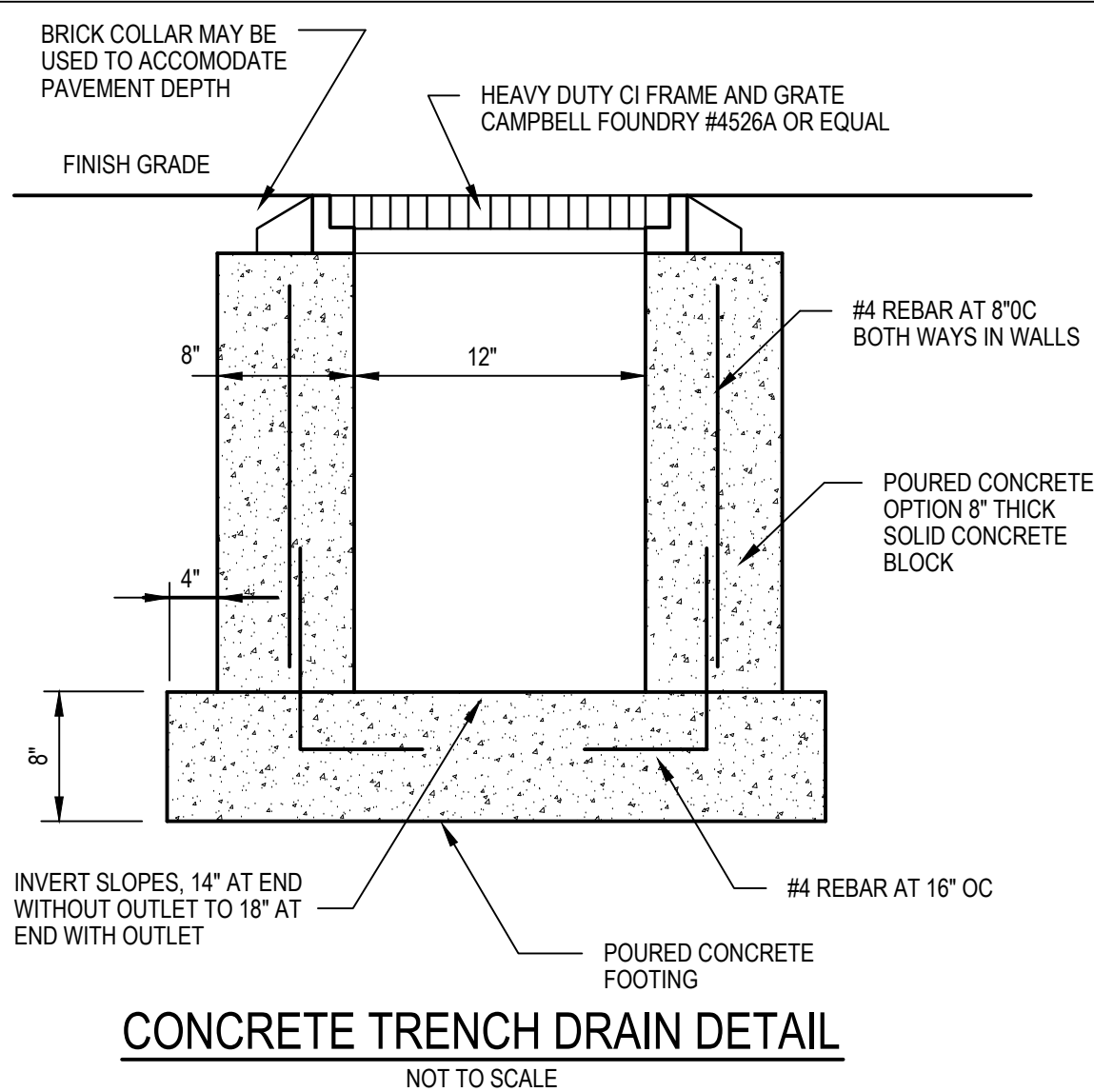
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	Approved TAY		Title YARD PIPING PROFILES IV
	Date 11/11		Original Size Ansi D
	Scale AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	Drawing No: 86-14601-C013
			Rev: 0



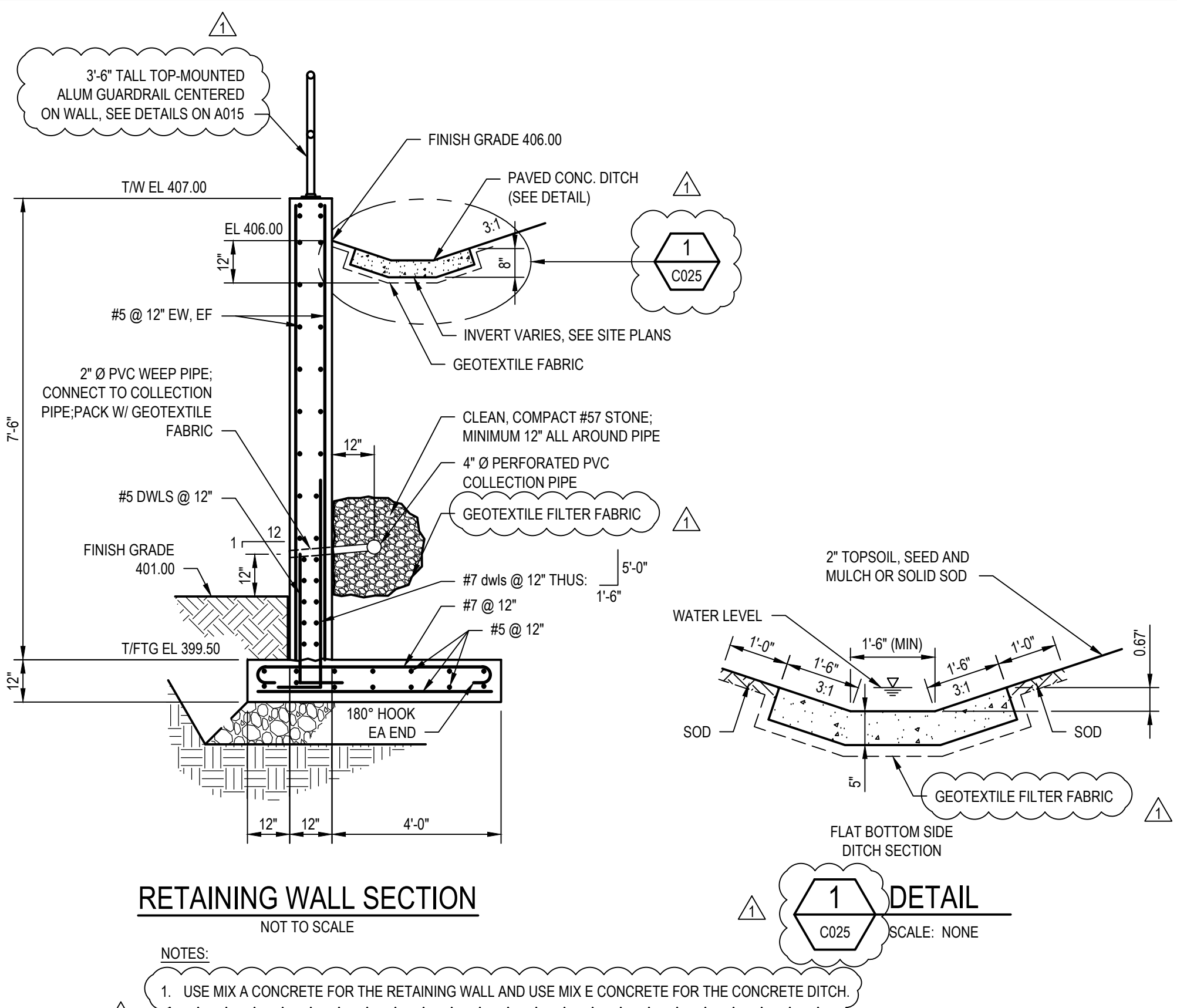
- NOTES:
- DETAILS ARE SCHEMATIC IN NATURE AND DO NOT REPRESENT THE FULL RUN OF THE STAIRS: SEE SPECIFIC BUILDING OR SITE PLAN.
 - ALL RISERS TO BE EQUAL HEIGHT (4" MINIMUM, 7" MAXIMUM); SEE PLAN. IF NO RISER HEIGHT IS SHOWN, USE TALLEST RISER POSSIBLE.
 - ALL RUNS TO BE 11" UNLESS OTHERWISE NOTED.
 - RAILINGS SHALL BE CONSTRUCTED IN CONFORMANCE WITH SPEC SECTION 05520.
 - SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL GUARDRAIL DETAILS.

EXTERIOR CONCRETE STAIR DETAIL
NOT TO SCALE



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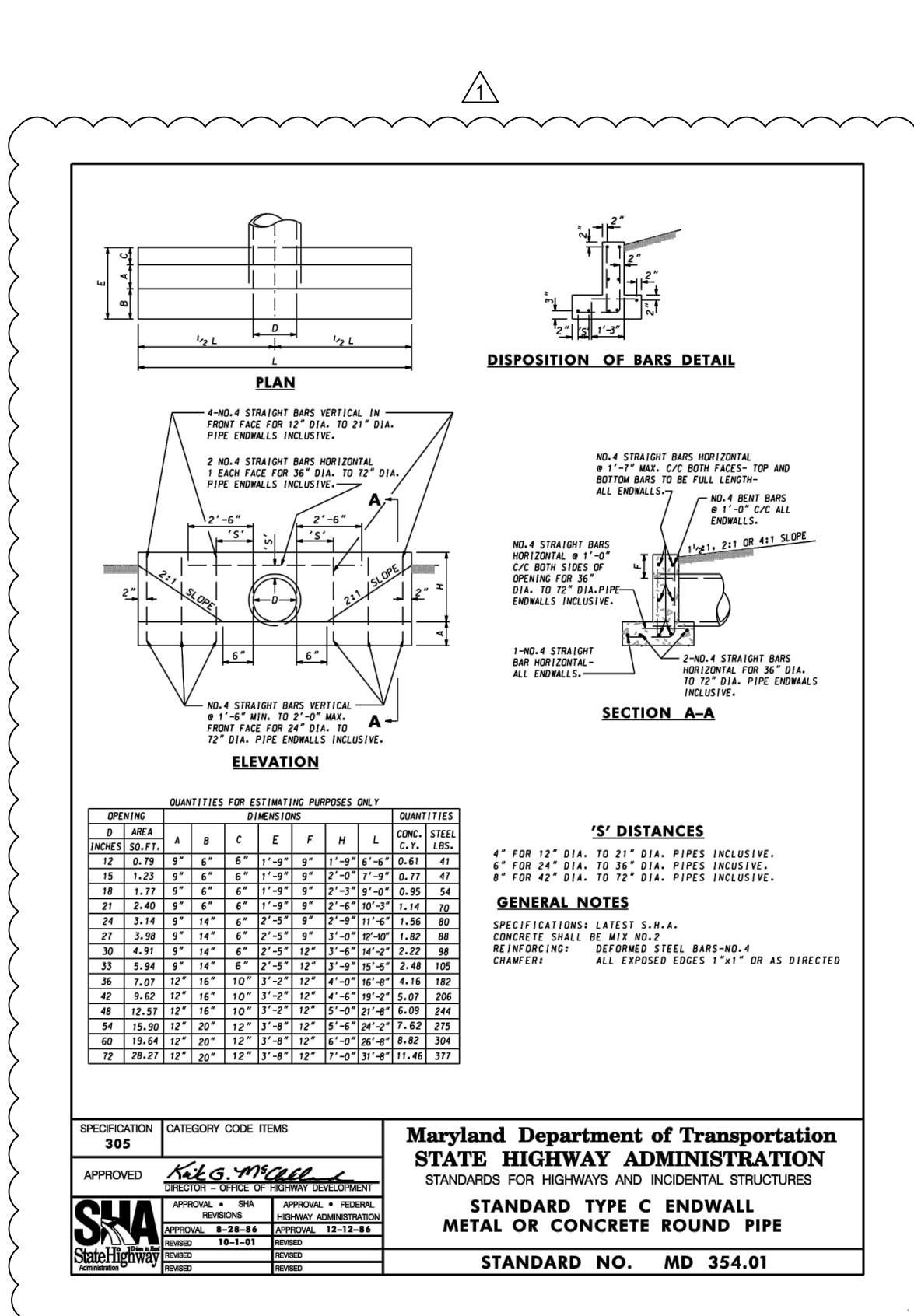
DETAIL C-301



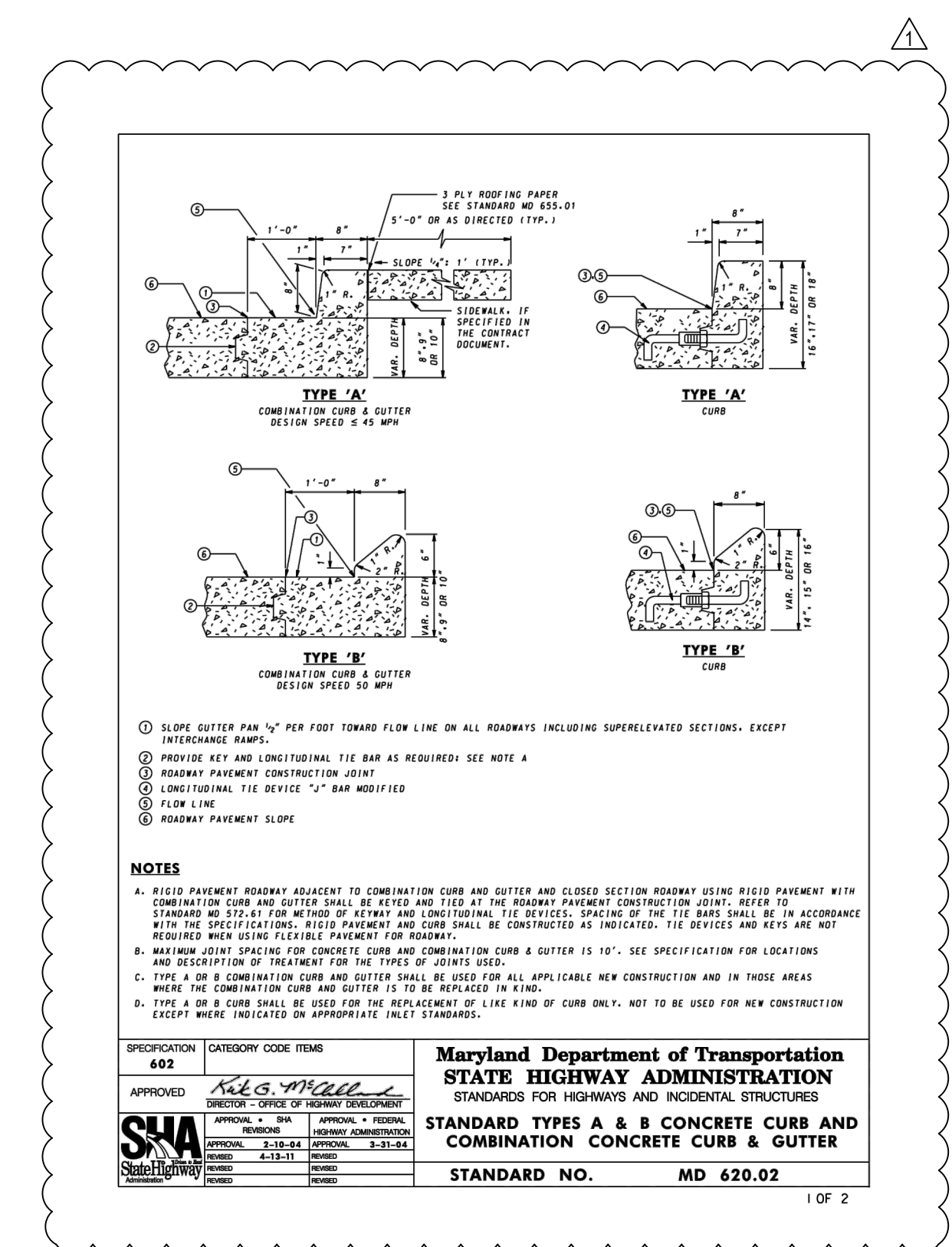
RETAINING WALL SECTION
NOT TO SCALE

- NOTES:
- USE MIX A CONCRETE FOR THE RETAINING WALL AND USE MIX E CONCRETE FOR THE CONCRETE DITCH.

DETAIL C-302

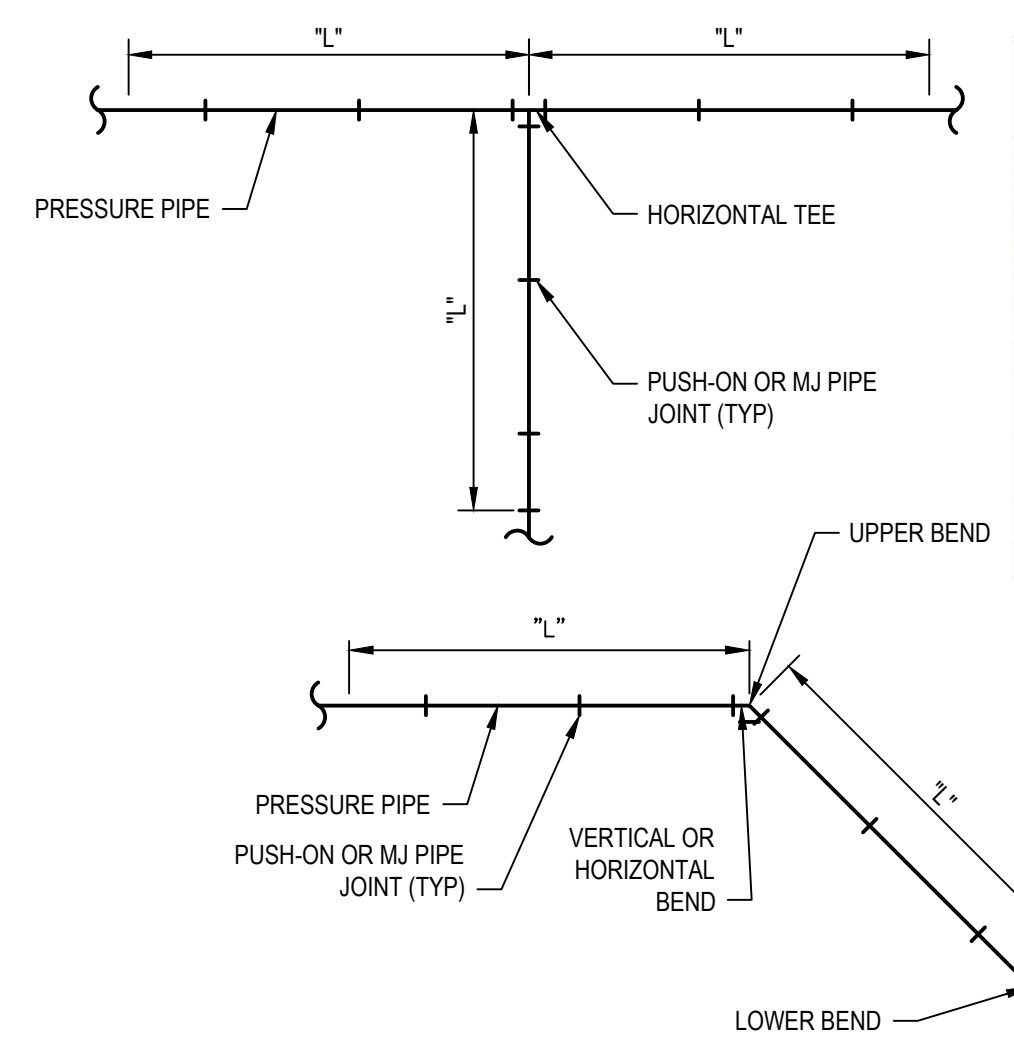


DETAIL C-303



DETAIL C-305

FITTINGS	DIP PRESSURE PIPE SIZE									
	4"	6"	8"	10"	12"	18"	30"	36"	42"	48"
HORIZONTAL 11-1/4"	2	2	3	3	4	5	8	9	11	12
HORIZONTAL 22-1/2"	3	4	5	6	7	10	16	19	21	23
HORIZONTAL 45°	6	8	11	13	15	21	33	38	43	48
HORIZONTAL 90°	14	19	25	30	36	51	97	91	103	114
VERTICAL 11-1/4"	Upper Bend	4	5	6	7	9	12	19	22	25
	Lower Bend	2	3	3	4	5	6	9	9	12
VERTICAL 22-1/2"	Upper Bend	7	9	12	15	17	25	38	45	51
	Lower Bend	4	5	6	7	9	12	18	19	24
VERTICAL 45°	Upper Bend	14	19	25	30	35	51	79	92	105
	Lower Bend	7	10	13	15	18	25	38	34	49
TEE	Flow Thru	2	3	3	4	5	6	9	19	19
	Branch	1	3	14	24	34	64	84	110	134
DEAD END	26	36	47	57	67	97	154	181	206	231



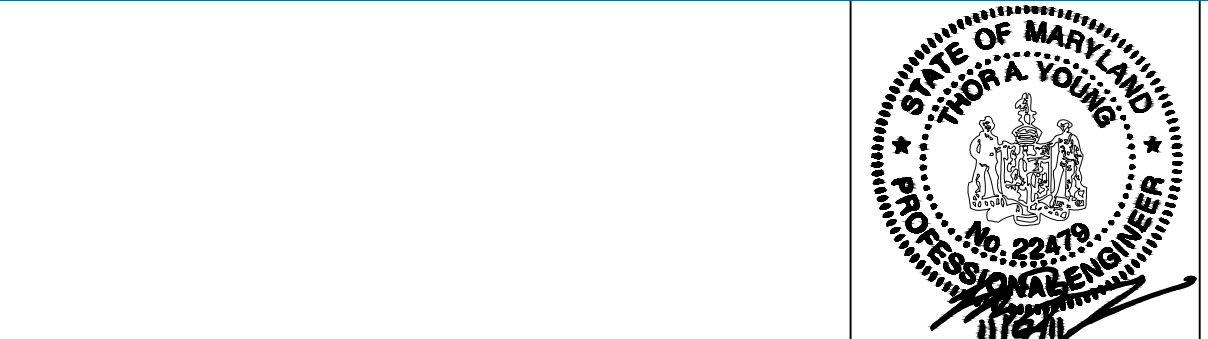
FITTINGS	PVC PRESSURE PIPE SIZE					
	8"	10"	12"	14"	20"	24"
HORIZONTAL 11-1/4"	4	4	5	5	7	8
HORIZONTAL 22-1/2"	7	8	9	10	14	16
HORIZONTAL 45°	13	16	18	21	29	33
HORIZONTAL 90°	31	37	44	50	68	80
VERTICAL 11-1/4"	Upper Bend	11	13	16	18	25
	Lower Bend	3	4	4	5	6
VERTICAL 22-1/2"	Upper Bend	22	27	31	36	49
	Lower Bend	6	7	8	9	12
VERTICAL 45°	Upper Bend	46	55	65	74	102
	Lower Bend	11	14	16	18	25
TEE	Flow Thru	11	14	14	19	19
	Branch	26	44	63	82	137
DEAD END	88	106	126	145	201	237

- NOTES:
- ALL PIPE JOINTS LOCATED WITHIN THE REQUIRED RESTRAIN LENGTH "L" SHALL BE RESTRAINED WITH MECHANICAL RESTRAINTS. CONCRETE THRUST BLOCKS SHALL NOT BE USED UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - RESTRAINTS SHALL BE PIPE BELL HARNESSES OR MECHANICAL JOINT RETAINER TYPE. REFER TO SECTION 15060 FOR REQUIREMENTS.
 - VALUES OF "L" FOR VERTICAL FITTINGS ARE FOR VERTICAL DOWN BENDS. FOR VERTICAL UP BENDS, USE VALUES OF "L" FOR CORRESPONDING HORIZONTAL FITTINGS.

DETAIL C-306

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
1	ADDENDUM NO. 3		JSS	JHC	TAY	06/12
0	FOR BID		BSR	MEC	TAY	11/11

Plot Date: 5 June 2012 - 2:34 PM Cad File No: N:\US\Bowie\Projects\66\14601\CADD\Drawings\Civil\66-14601-C025.dwg



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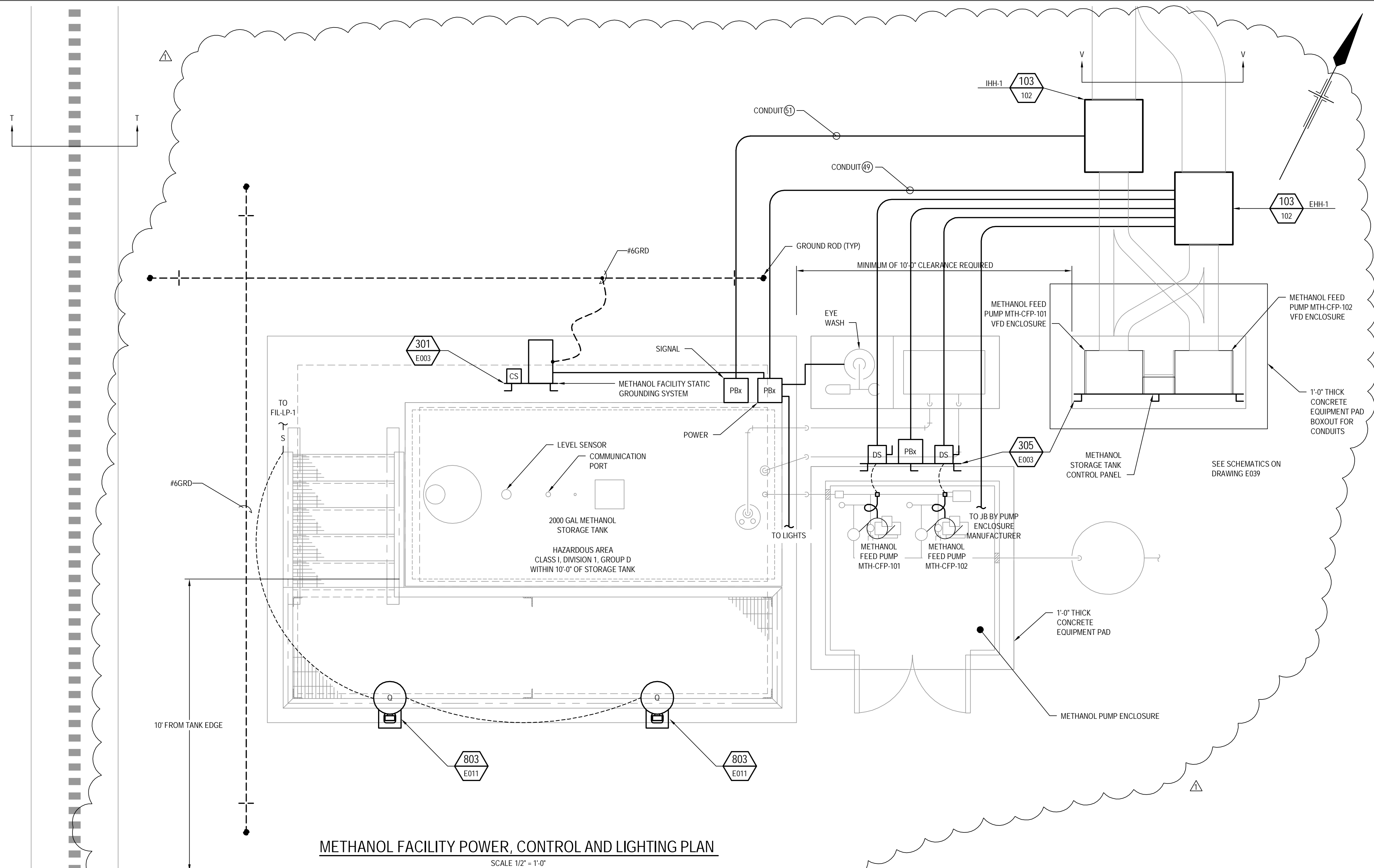
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Design Check MEC
Approved TAY
Date 11/11
Scale AS SHOWN

Client NO. **TOWN OF EMMITSBURG, MARYLAND**
Project **EMMITSBURG WWTP ENR UPGRADE**
Title **MISCELLANEOUS DETAILS**

Original Size **Ansi D**
Drawing No: **86-14601-C025**
Rev: **1**

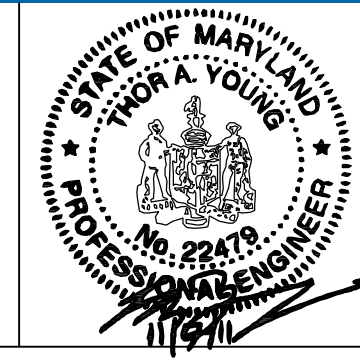
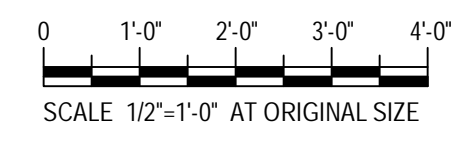


METHANOL FACILITY POWER, CONTROL AND LIGHTING PLAN
SCALE 1/2" = 1'-0"

NOTE:
ALL ELECTRICAL WORK WITHIN 10FT FROM METHANOL TANK SHALL BE SUITABLE FOR USE IN CLASS I, DIVISION 1, GROUP D HAZARDOUS AREA.

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1	ADDENDUM NO. 3	JBL	MEC	TAY	5/12	
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	Approved TAY	Date 11/11
	Scale 1/2"=1'-0"	This Drawing must not be used for Construction unless signed as Approved

Client	TOWN OF EMMITSBURG, MARYLAND
Project	EMMITSBURG WWTP ENR UPGRADE
Title	METHANOL FACILITY POWER, CONTROL AND LIGHTING PLANS
Original Size	ANSI D
Drawing No:	86-14601-E019
Rev:	0