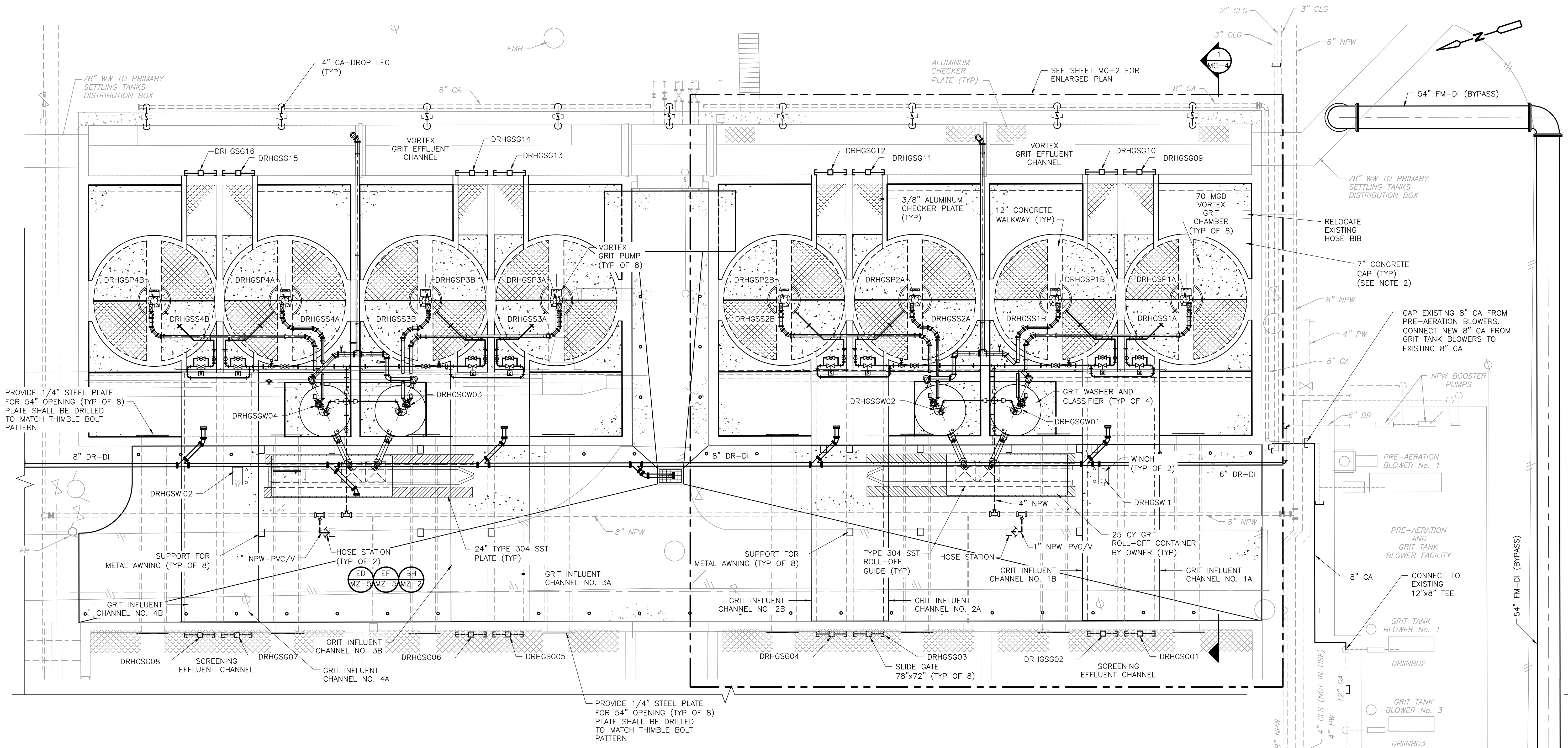


P:\SAN ANTONIO WATER SYSTEM\65767_HEADWORKS IMPROVEMENTS AND PROCESS ENHANCEMENTS PHASE I\CADD\65767-DOS RIOS RE-RATE\05-MECH\MC-1 By: cezeaux, jana Saved: 1/13/2011 2:30:40 PM Plotted: 1/13/2011 2:31:33 PM
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PLAN
1" = 10'

- NOTES:
- 1. CONCRETE CAP SHALL BE PROVIDED ABOVE ALL VOID SPACES THAT ARE CREATED IN THE RECONFIGURED PRE-AERATION TANKS. (AS SHOWN HEREIN).
 - 2. VOID SPACES IN TANKS SHALL BE FILLED WITH SAND.

ISSUE No	DATE	CHKD	REMARKS
	1/10/11	BM	CONFORMED
	12/14/10	BM	REVISED BY ADDENDUM NO. 4

DESIGNED BY: STEPHENS
DRAWN BY: CEZEUX
SHEET CHK'D BY: MARRIOTT
CROSS CHK'D BY: CUTLER
APPROVED BY: JANUARY 2011

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SAN ANTONIO WATER SYSTEM
DOS RIOS WRC RE-RATING HEADWORKS IMPROVEMENTS AND PROCESS ENHANCEMENTS PHASE I

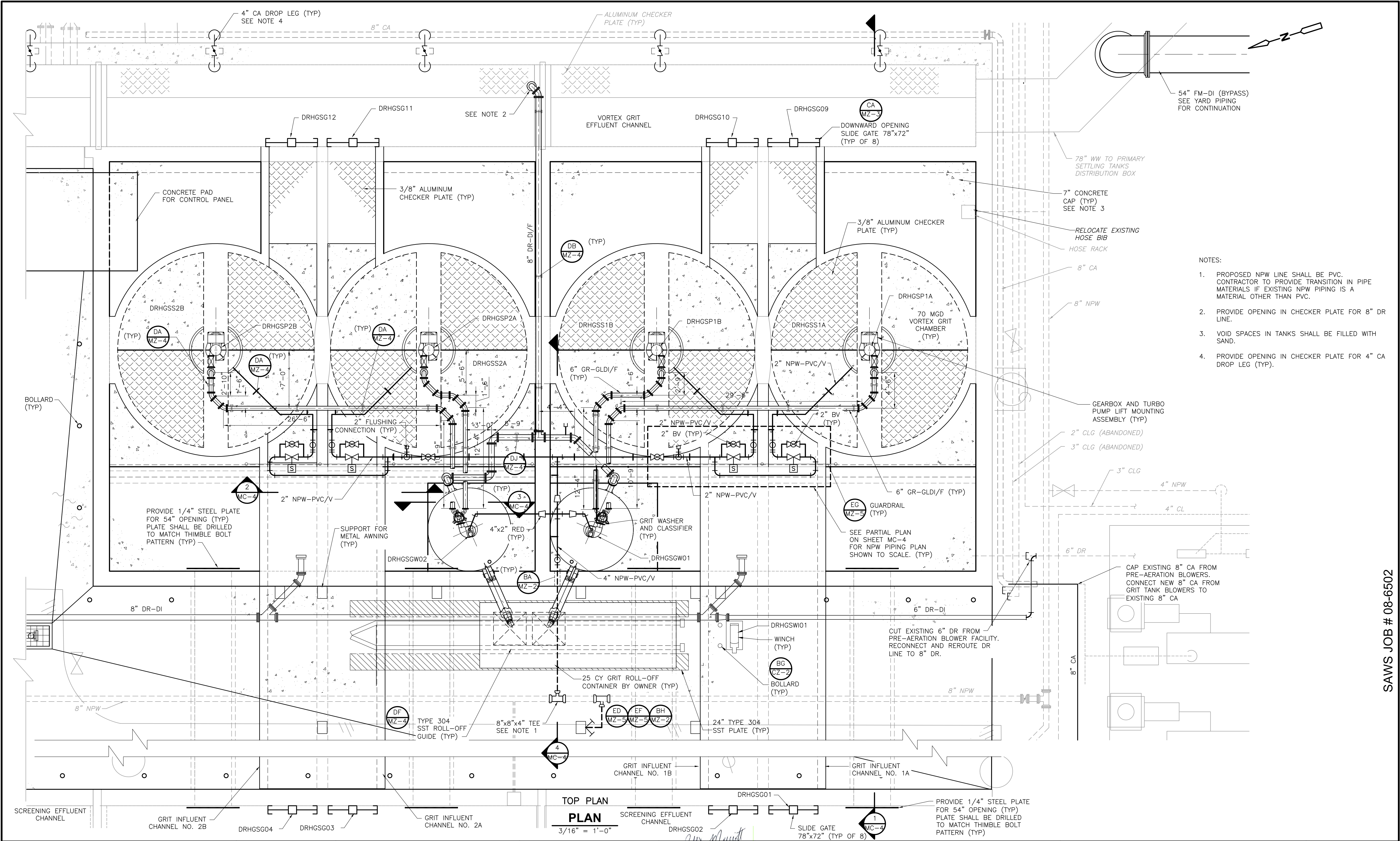
GRIT REMOVAL FACILITY OVERALL TOP PLAN

PROJECT No	65767
FILE NAME:	MC-1
SHEET No	MC-1
OF	

Plotted - 1/13/2011 2:31:33 PM

SAWS JOB # 08-6502

SEE YARD PIPING FOR CONTINUATION



- NOTES:
1. PROPOSED NPW LINE SHALL BE PVC. CONTRACTOR TO PROVIDE TRANSITION IN PIPE MATERIALS IF EXISTING NPW PIPING IS A MATERIAL OTHER THAN PVC.
 2. PROVIDE OPENING IN CHECKER PLATE FOR 8" DR LINE.
 3. VOID SPACES IN TANKS SHALL BE FILLED WITH SAND.
 4. PROVIDE OPENING IN CHECKER PLATE FOR 4" CA DROP LEG (TYP).

TOP PLAN
 PLAN
 3/16" = 1'-0"

ISSUE No	DATE	CHKD	REMARKS
1	1/10/11	BM	CONFORMED
2	12/14/10	BM	REVISED BY ADDENDUM NO. 4

DESIGNED BY: STEPHENS
 DRAWN BY: CEZEUX
 SHEET CHK'D BY: MARRIOTT
 CROSS CHK'D BY: CUTLER
 APPROVED BY: [Signature]
 DATE: JANUARY 2011

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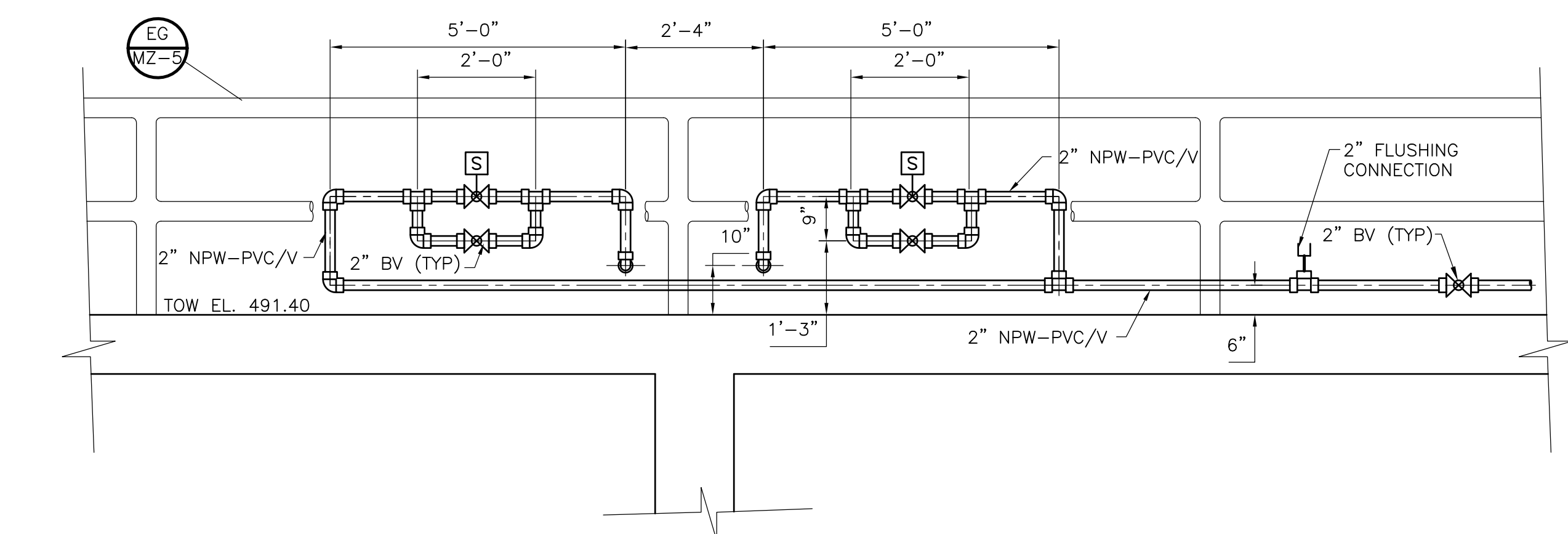
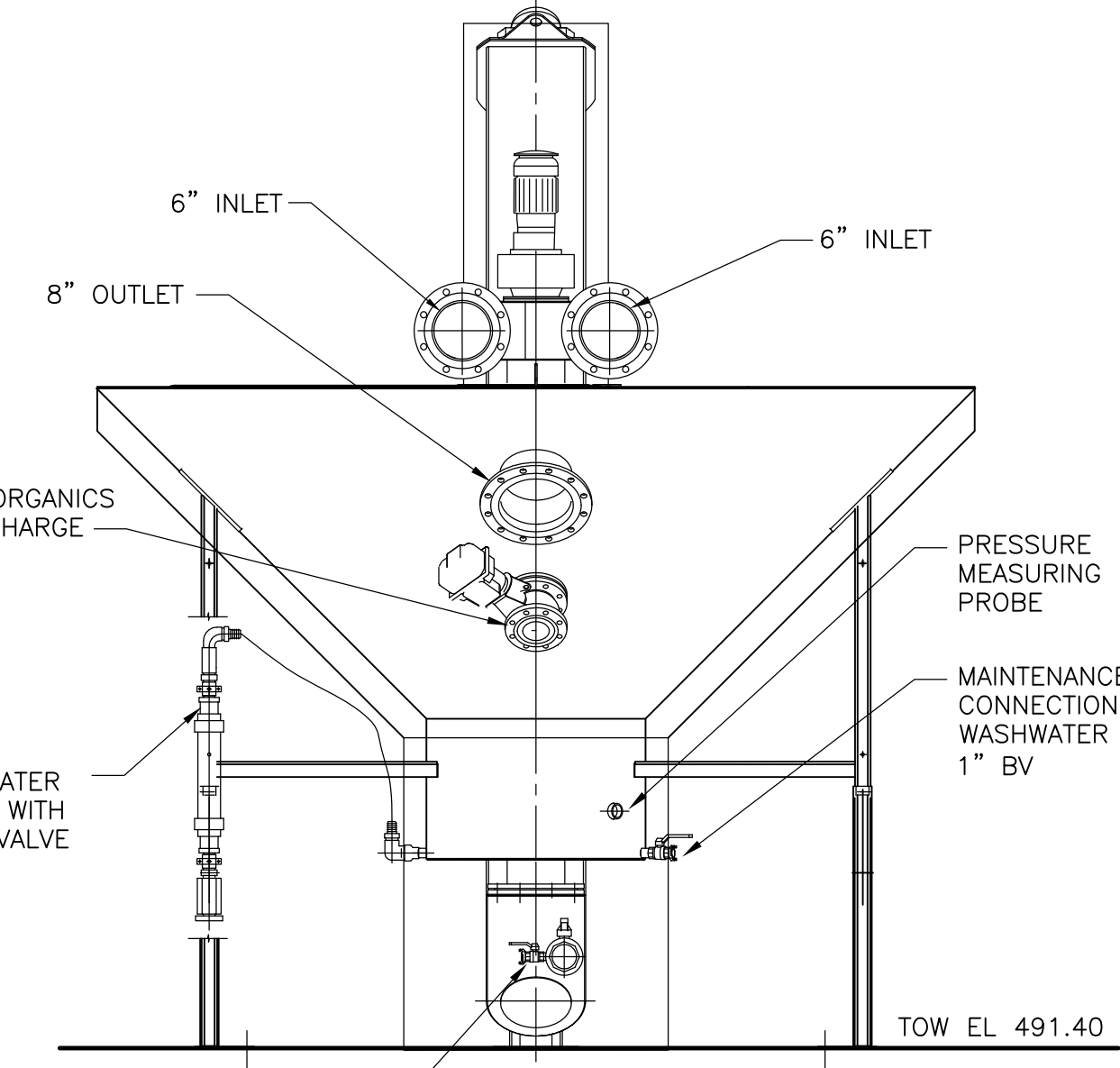
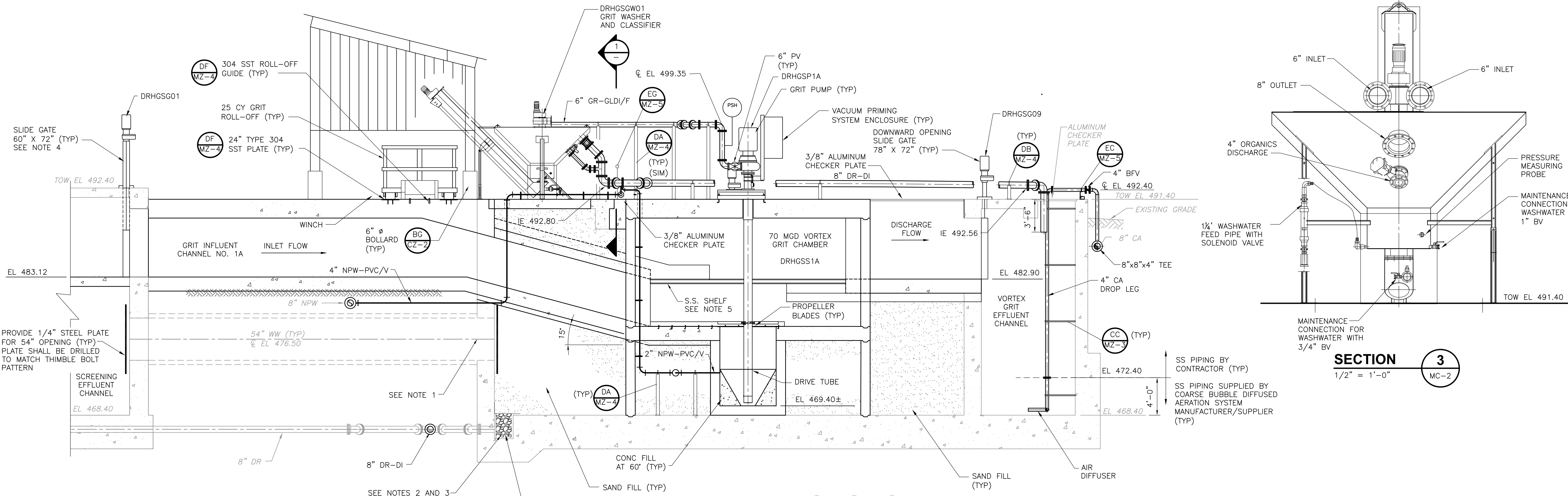
STATE OF TEXAS
 BILL D. MARRIOTT
 88701
 REGISTERED PROFESSIONAL ENGINEER

SAN ANTONIO WATER SYSTEM
 DOS RIOS WRC RE-RATING
 HEADWORKS IMPROVEMENTS AND
 PROCESS ENHANCEMENTS PHASE I

GRIT REMOVAL FACILITY
 PARTIAL - TOP PLAN

PROJECT No	65767
FILE NAME:	MC-2
SHEET No	MC-2
OF	

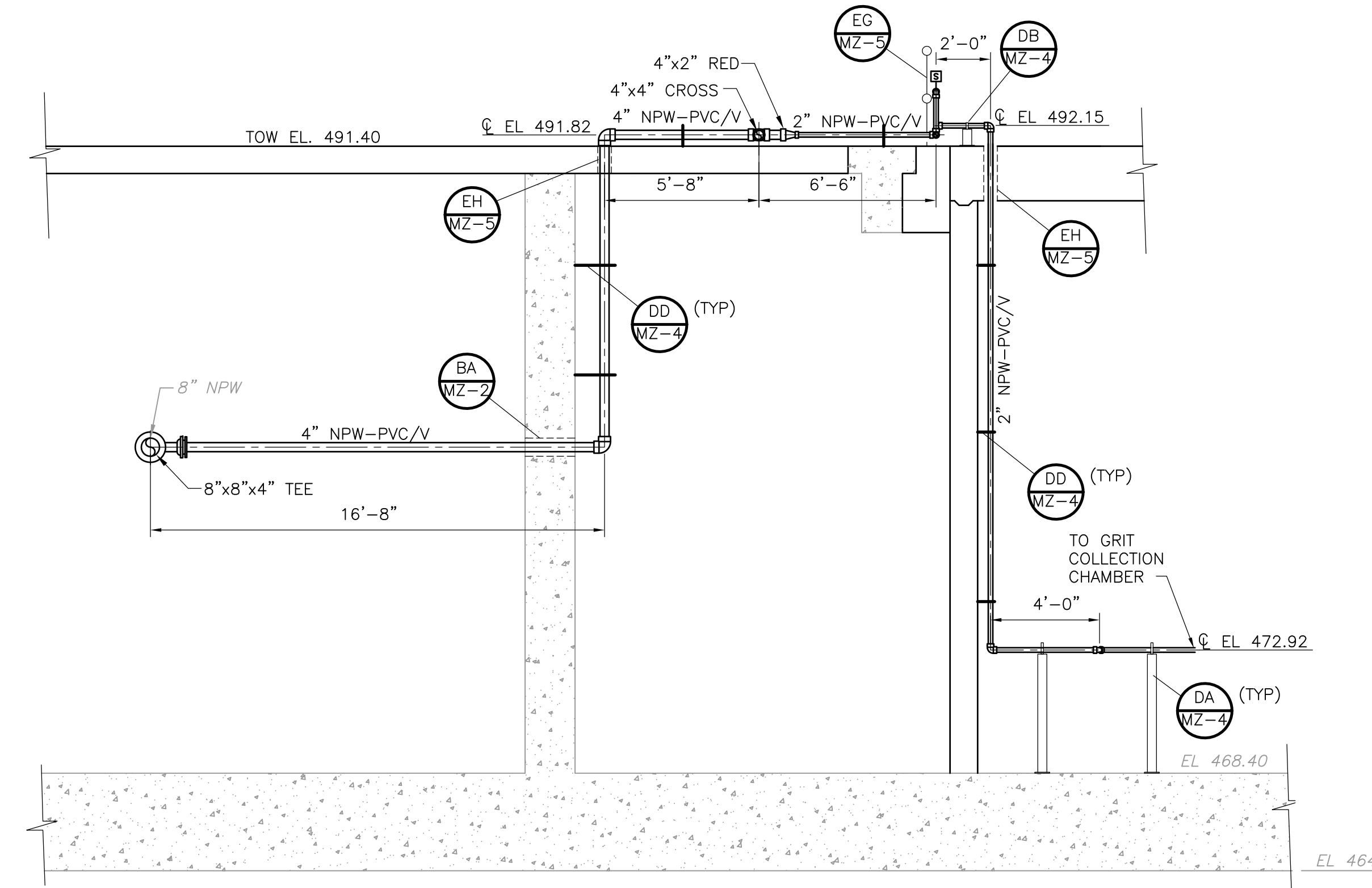
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- NOTE:**
1. PROVIDE PLUG FOR EXISTING 54" WW LINE (TYP OF 16).
 2. PROVIDE FILTER FABRIC AS BARRIER BETWEEN GRAVEL AND SAND. USE A PERVIOUS FABRIC WITH MINIMUM WEIGHT OF 6 OUNCES/SQUARE YARD OR GREATER. INSTALL A STAINLESS STEEL, 10 GAUGE WIRE MESH WITH 1/4" OPENINGS ACROSS OPENING OF 8" DRAIN PIPE.
 3. PRIOR TO INSTALLATION OF SCREEN AND GRAVEL, CONTRACTOR SHALL FLUSH ALL EXISTING DRAIN LINES.
 4. PROVIDE SLOT IN CONCRETE FOR SELF-CONTAINED GATE.
 5. SHELF SHALL BE MADE OF TYPE 316 STAINLESS STEEL AND SHALL BE PROVIDED BY THE MANUFACTURER.

SECTION 2
1/2" = 1'-0"
MC-2

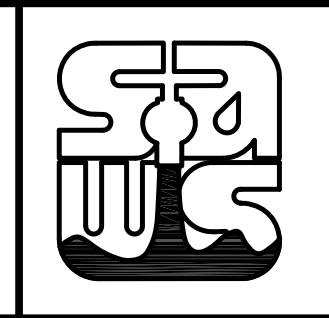
SECTION 1 1 1
3/16" = 1'-0"
MC-1 MC-2 MC-3



SECTION 4
1/4" = 1'-0"
MC-2

DESIGNED BY:	STEPHENS
DRAWN BY:	ISLAS
SHEET CHK'D BY:	MARRIOTT
CROSS CHK'D BY:	CUTLER
APPROVED BY:	
DATE:	JANUARY 2011

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SAN ANTONIO WATER SYSTEM
DOS RIOS WRC RE-RATING
HEADWORKS IMPROVEMENTS AND
PROCESS ENHANCEMENTS PHASE I

**GRIT REMOVAL FACILITY
SECTIONS**

PROJECT No:	65767
FILE NAME:	MC-4
SHEET No:	MC-4
OF	

Plotted - 1/13/2011 3:41:59 PM

SAWS JOB # 08-6502