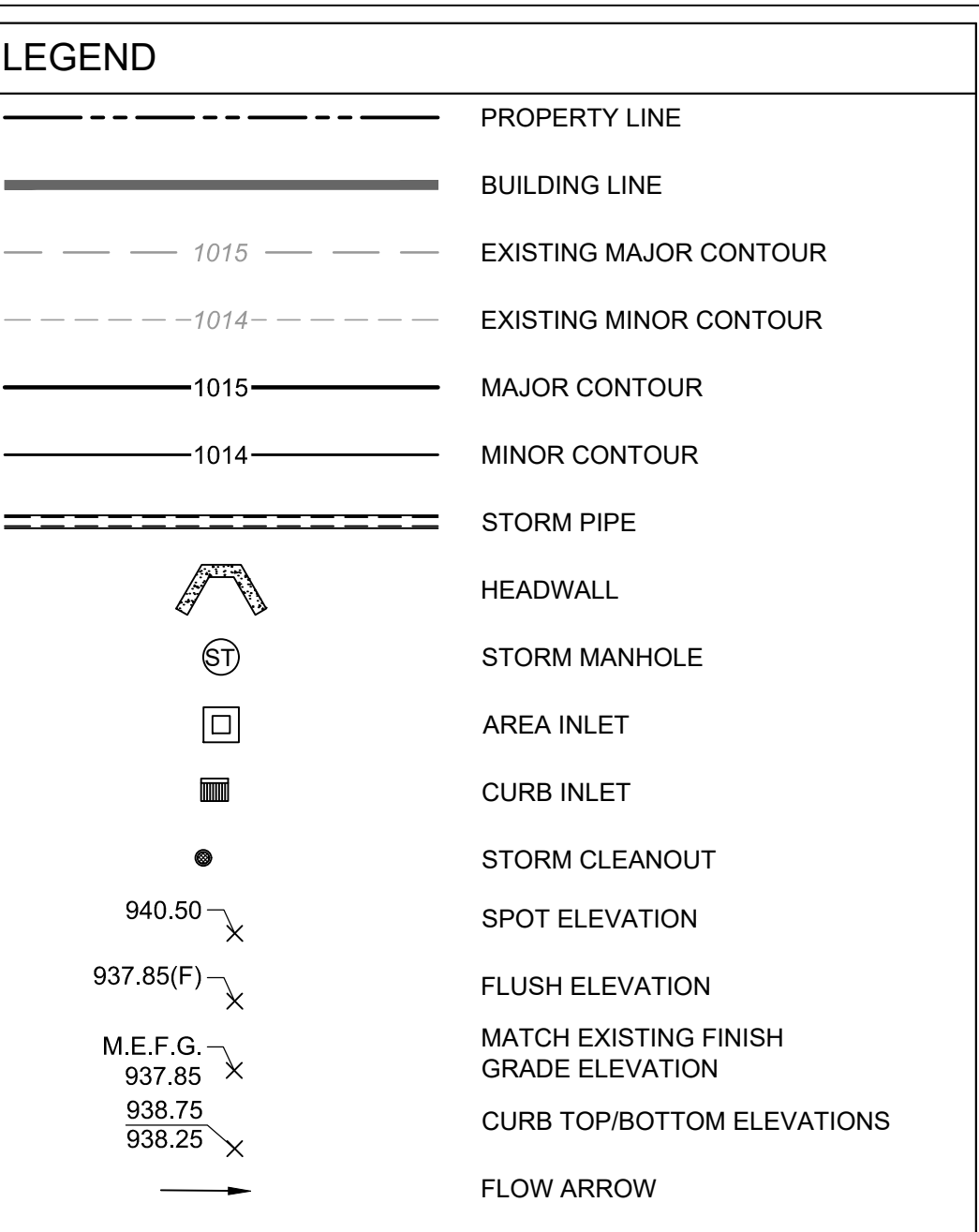
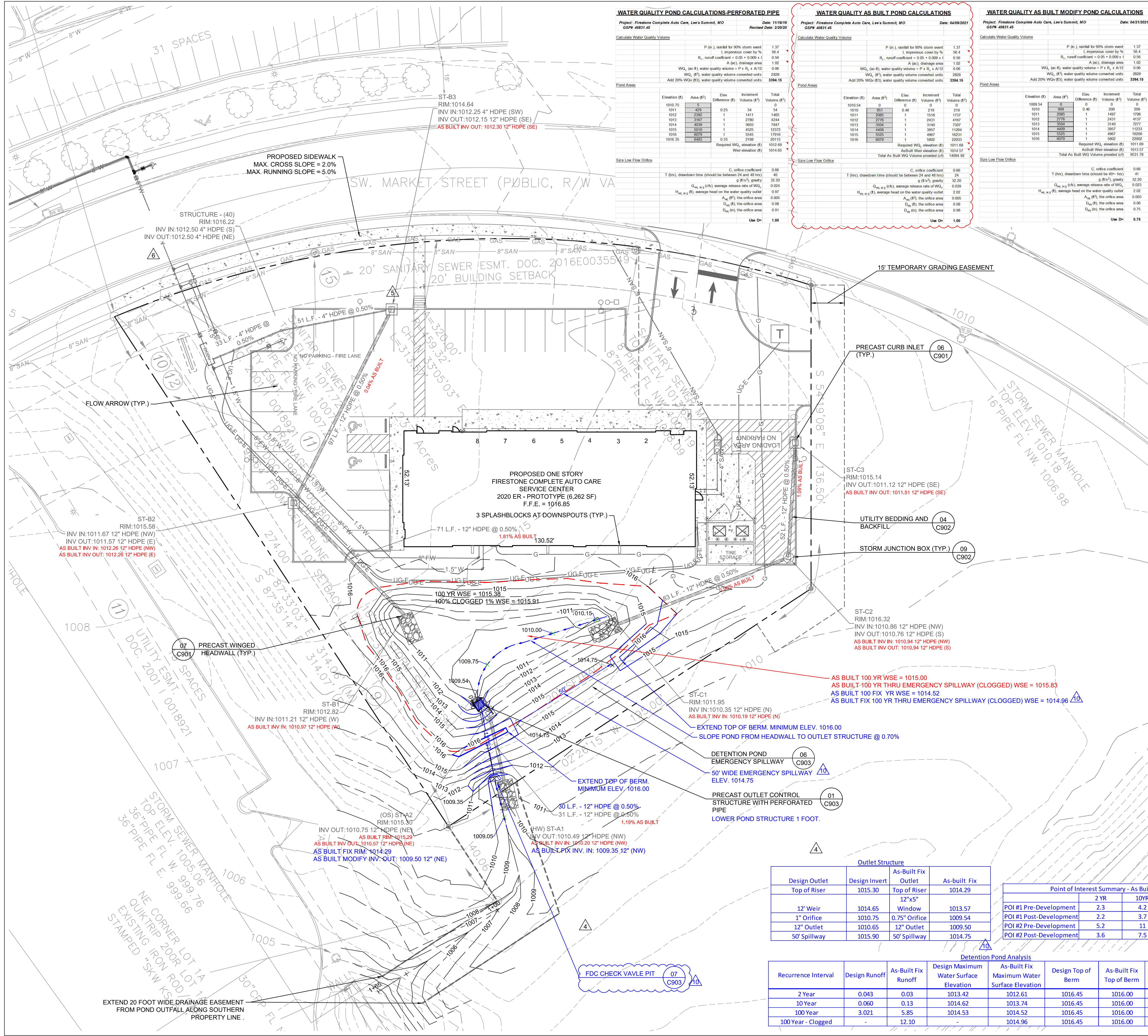


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STORM STRUCTURE ABBREVIATIONS		
(SCI)	SINGLE CURB INLET	DETAIL 06, SHEET C901
(JB)	JUNCTION BOX	DETAIL 09, SHEET C902
(HW)	HEADWALL	DETAIL 07, SHEET C901
(OS)	OUTLET STRUCTURE	DETAIL 08, SHEET C901

- NOTES:
- FOR SITE PREPARATION AND GEOTECHNICAL RECOMMENDATIONS, REFER TO INTERTEK PSI GEOTECHNICAL REPORT 03381947, DATED 7/24/2019.
 - ITEMS IN RED AND CLOUDED IN RED INDICATE AS BUILT CONDITIONS.
 - ITEMS IN BLUE AND CLOUDED IN BLUE INDICATE AS BUILT FIX. ONCE FIX IS COMPLETED, PROVIDE TOPO SURVEY OF THE ENTIRE SITE INCLUDING PARKING, BUILDING FFE, AREA INLET TOP OF CASTING, POND, POND STRUCTURE INVERTS AND DIMENSIONS.

POND CONTOUR AREAS - DESIGN		
DESIGN ELEVATION	GN CAD AREA	DESIGN CAD VOLUME (CF.) AVG. END METHOD
1010.75	5	0
1011.00	429	54
1012.00	2392	1,465
1013.00	3167	4,244
1014.00	4039	7,847
1015.00	5010	12,372
1016.00	6079	17,916
1016.35	6483	20,115

POND CONTOUR AREAS - AS BUILT FIX		
ASBUILT ELEVATION	ASBUILT modify CAD AREA (SF.)	ASBUILT CAD VOLUME (CF.) AVG. END METHOD
1009.54	0	0
1010.00	909	209
1011.00	2085	1,706
1012.00	2776	4,137
1013.00	3504	7,277
1014.00	4409	11,234
1015.00	5525	16,201
1016.00	6079	22,003

Outlet Structure			
Design Outlet	Design Invert	As-Built Fix Outlet	As-built Fix
Top of Riser	1015.30	Top of Riser	1014.29
12" Weir	1014.65	Window	1013.57
1" Orifice	1010.75	0.75" Orifice	1009.54
12" Outlet	1010.65	12" Outlet	1009.50
50' Spillway	1015.90	50' Spillway	1014.75

Point of Interest Summary - As Built Fix (cfs)			
	2 YR	10YR	100YR
POI #1 Pre-Development	2.3	4.2	7.7
POI #1 Post-Development	2.2	3.7	6.4
POI #2 Pre-Development	5.2	11	22.7
POI #2 Post-Development	3.6	7.5	19.4

Detention Pond Analysis							
Recurrence Interval	Design Runoff	As-Built Fix Runoff	Design Maximum Water Surface Elevation	As-Built Fix Maximum Water Surface Elevation	Design Top of Berm	As-Built Fix Top of Berm	Design Freeboard
2 Year	0.043	0.03	1013.42	1012.61	1016.45	1016.00	3.03
10 Year	0.060	0.13	1014.62	1013.74	1016.45	1016.00	1.83
100 Year	3.021	5.85	1014.53	1014.52	1016.45	1016.00	1.92
100 Year - Clogged	-	12.10	-	1014.96	1016.45	1016.00	1.04

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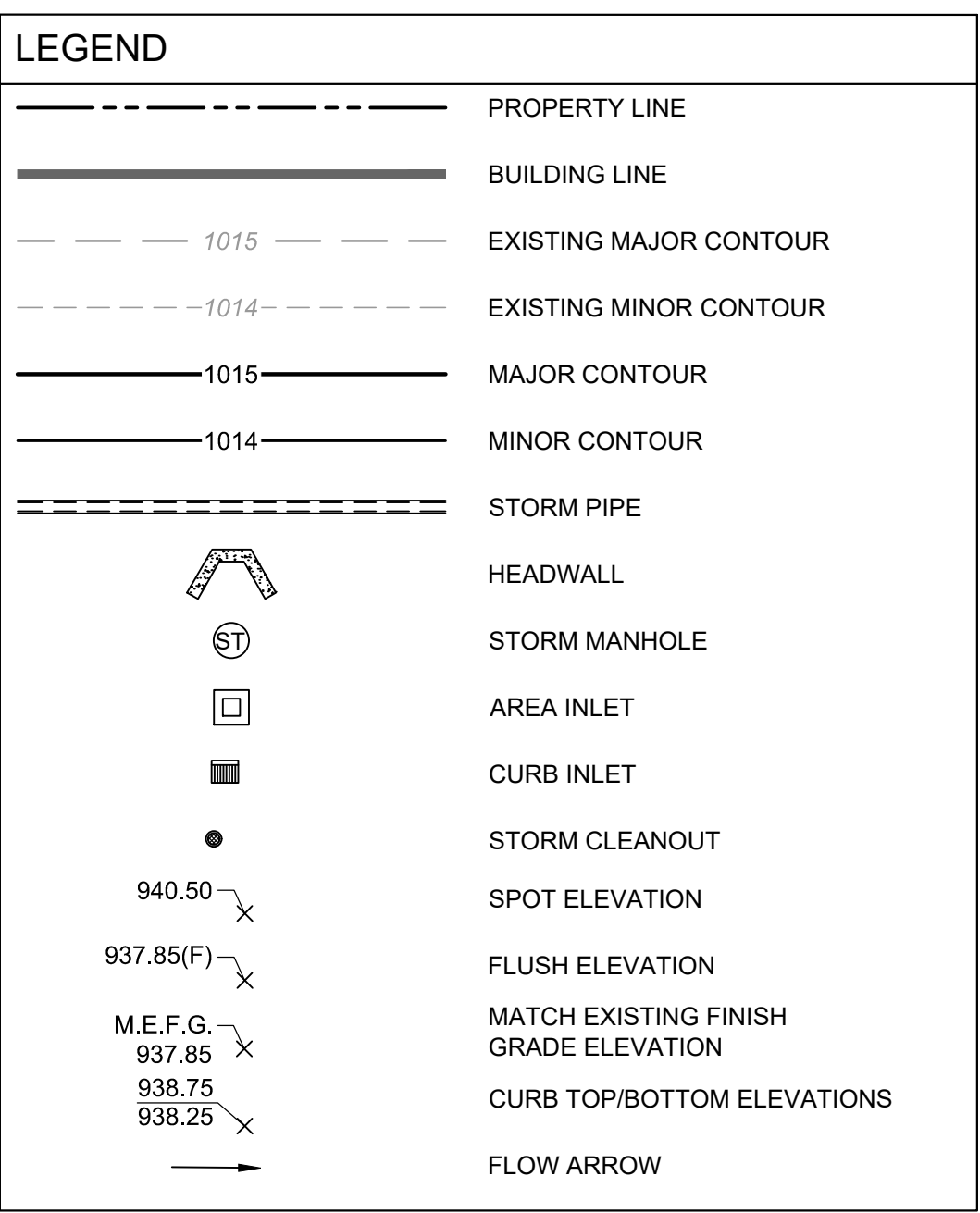
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2	02.21.2020	CITY COMMENTS
3	03.27.2020	CITY COMMENTS
4	04.28.2020	CITY COMMENTS
5	05.15.2020	CITY COMMENTS
6	06.01.2020	CITY COMMENTS
7	04.12.2021	AS BUILT
8	04.15.2021	AS BUILT
9	04.22.2021	AS BUILT FIX
10	06.29.2021	AS BUILT FIX
11	07.07.2021	AS BUILT FIX

GRADING AND DRAINAGE PLAN

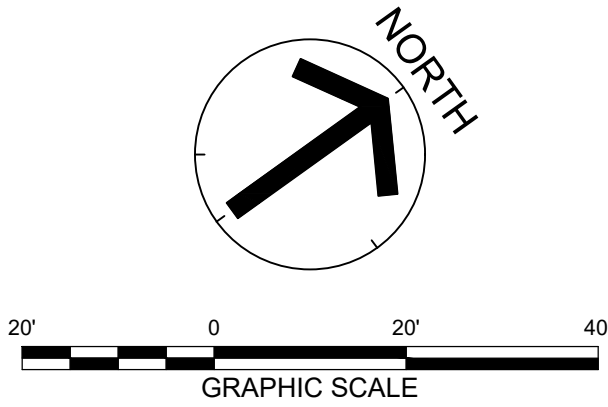
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JANUARY 8, 2020

This Line Is 3 Inches When Printed Full Size



<u>STORM STRUCTURE ABBREVIATIONS</u>		
(SCI)	SINGLE CURB INLET	DETAIL 06, SHEET C901
(JB)	JUNCTION BOX	DETAIL 09, SHEET C902
(HW)	HEADWALL	DETAIL 07, SHEET C901
(OS)	OUTLET STRUCTURE	DETAIL 08, SHEET C901



NOTES:

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2. **ITEMS IN RED AND CLOUDED IN RED INDICATE AS BUILT CONDITIONS.**
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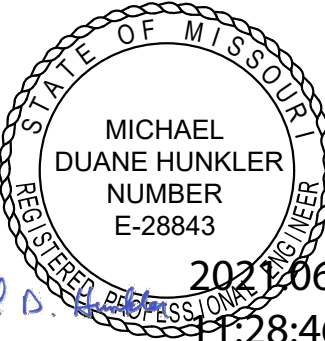
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Revision

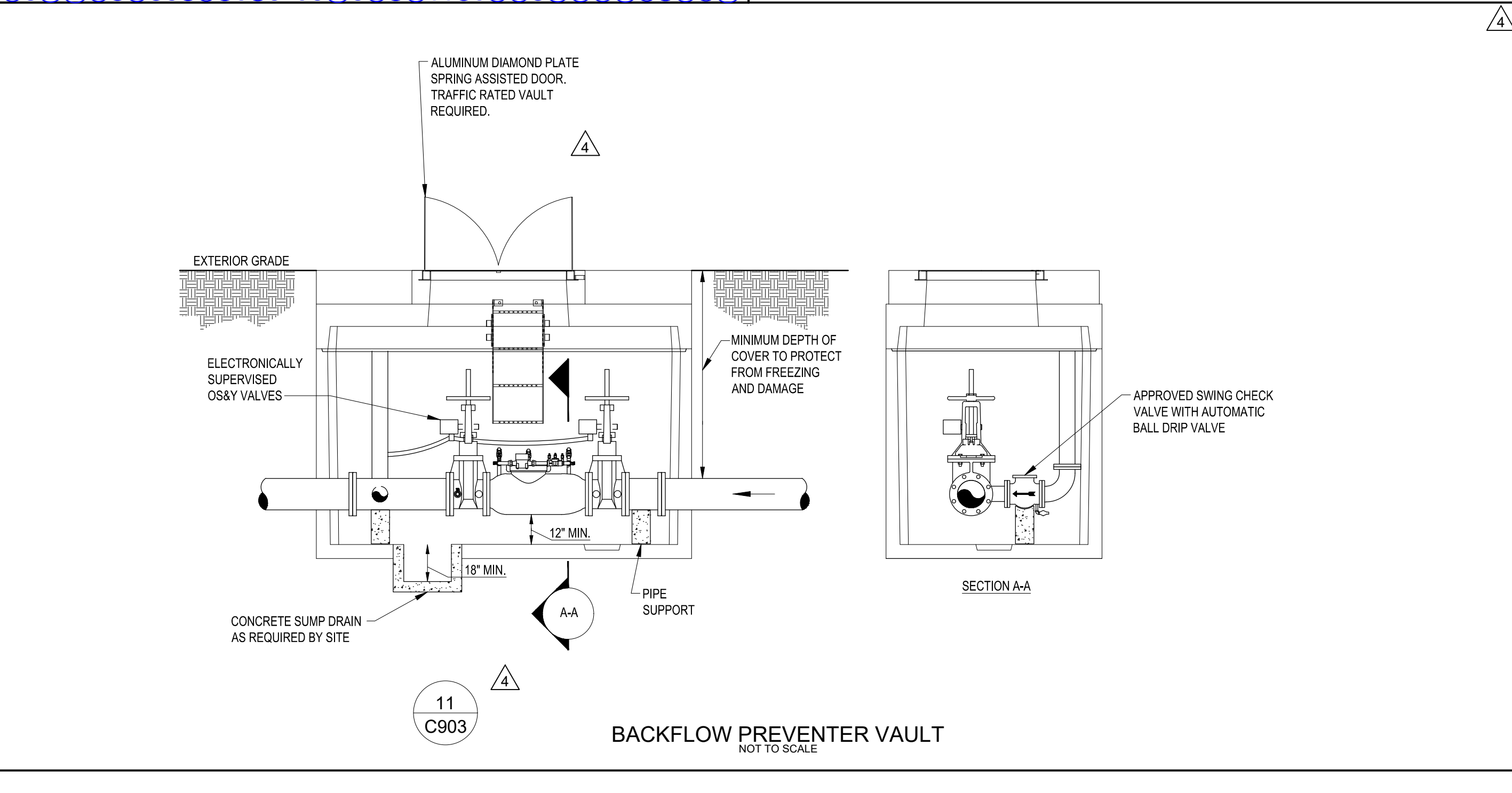
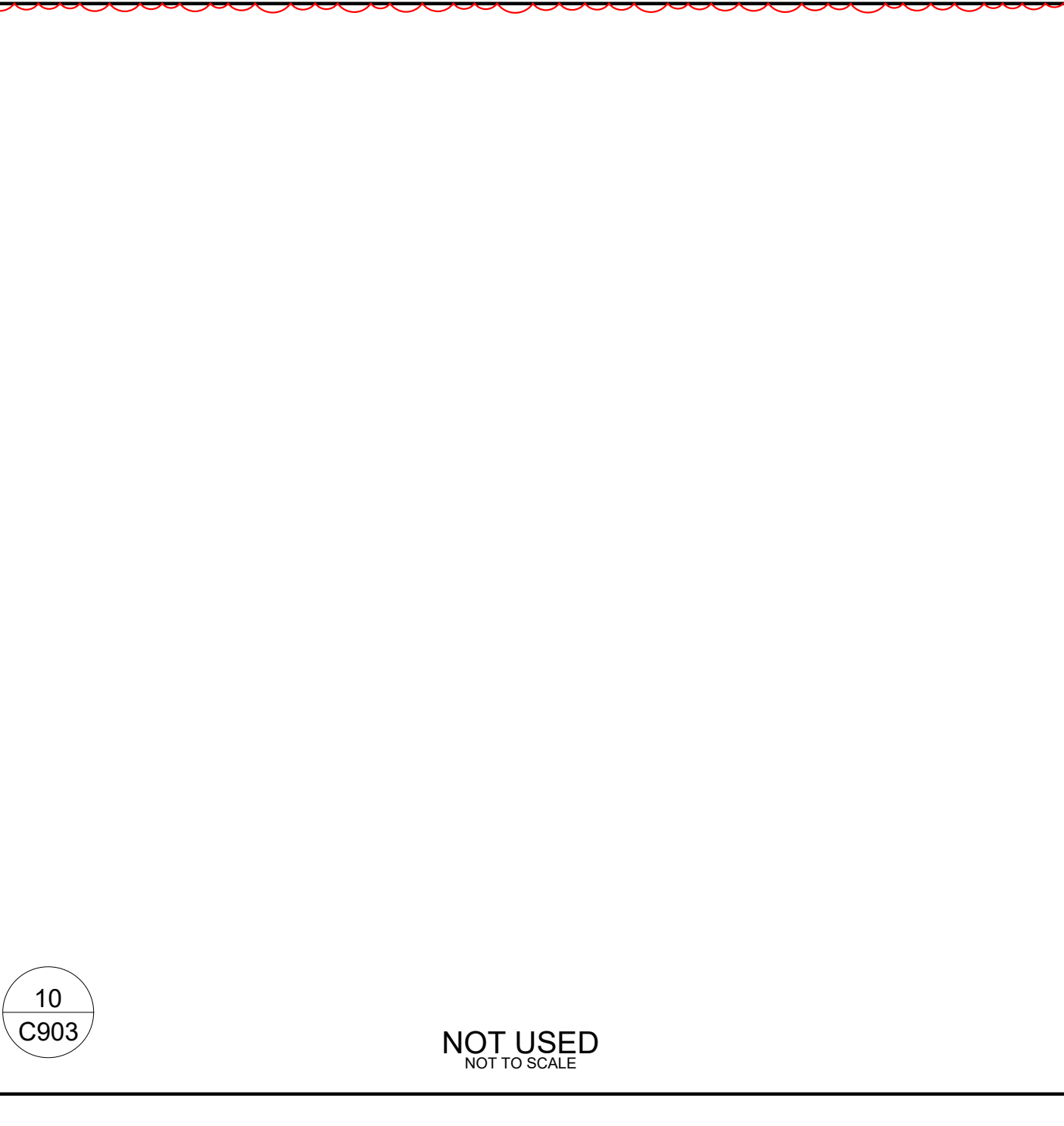
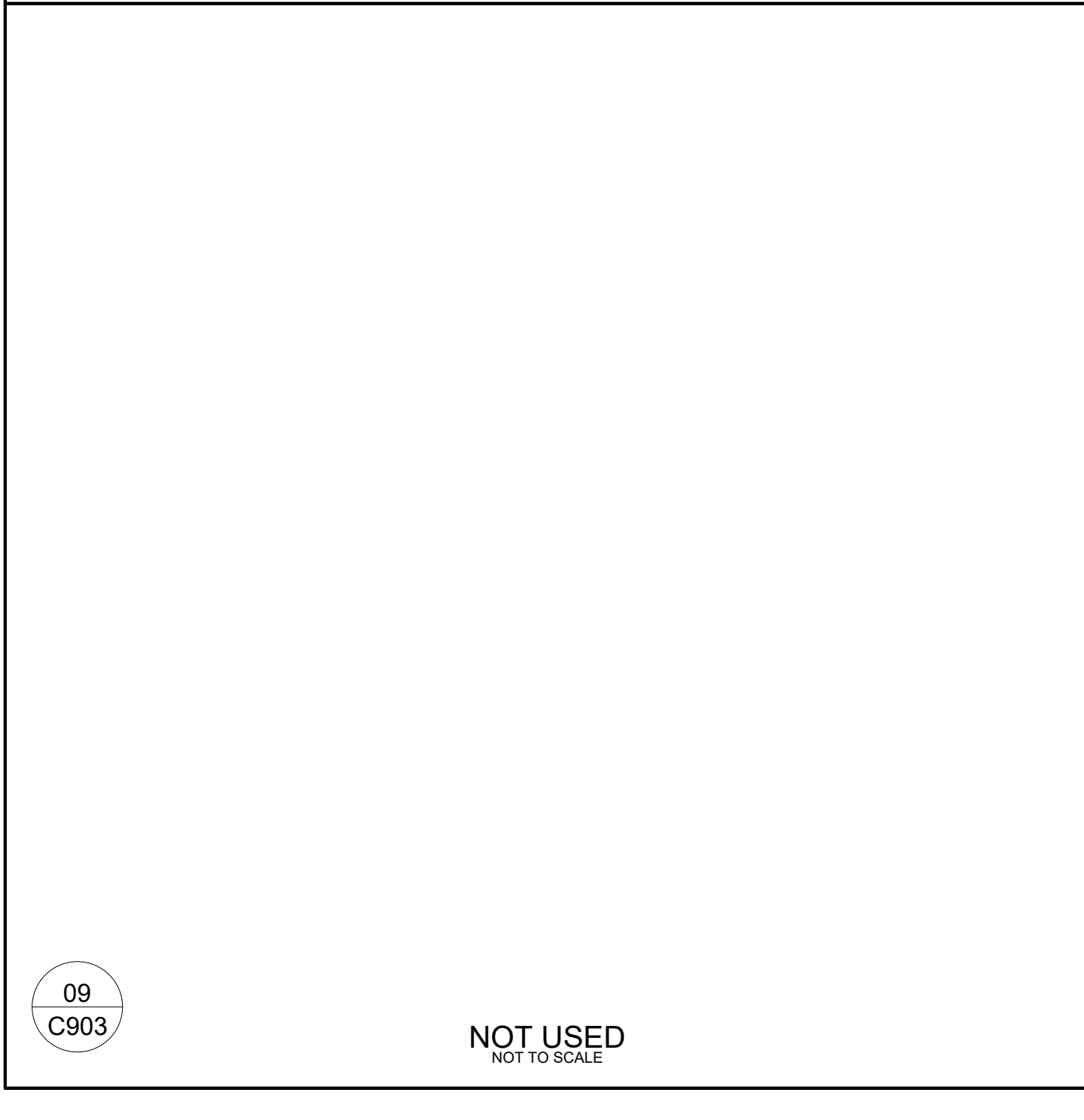
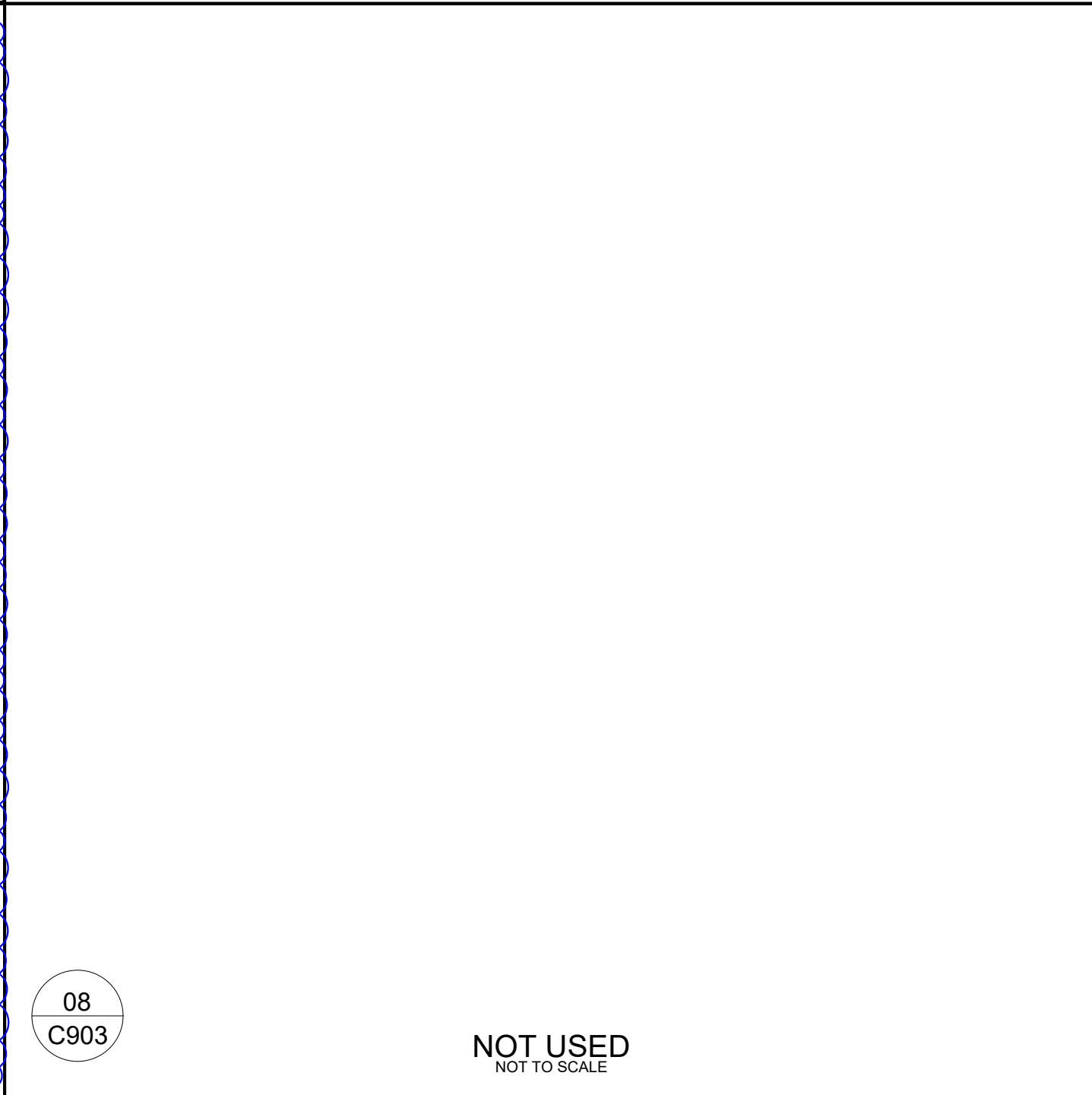
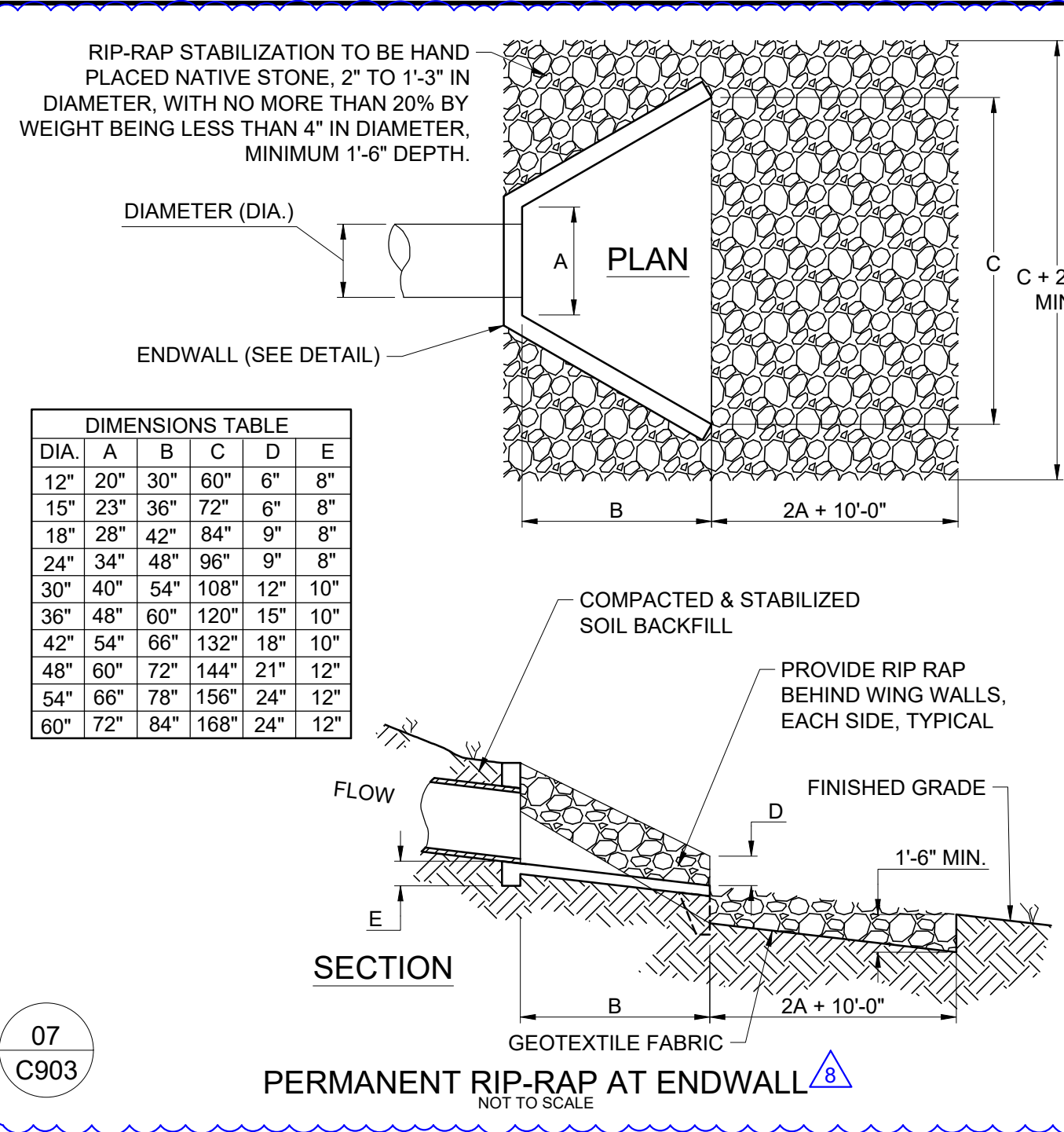
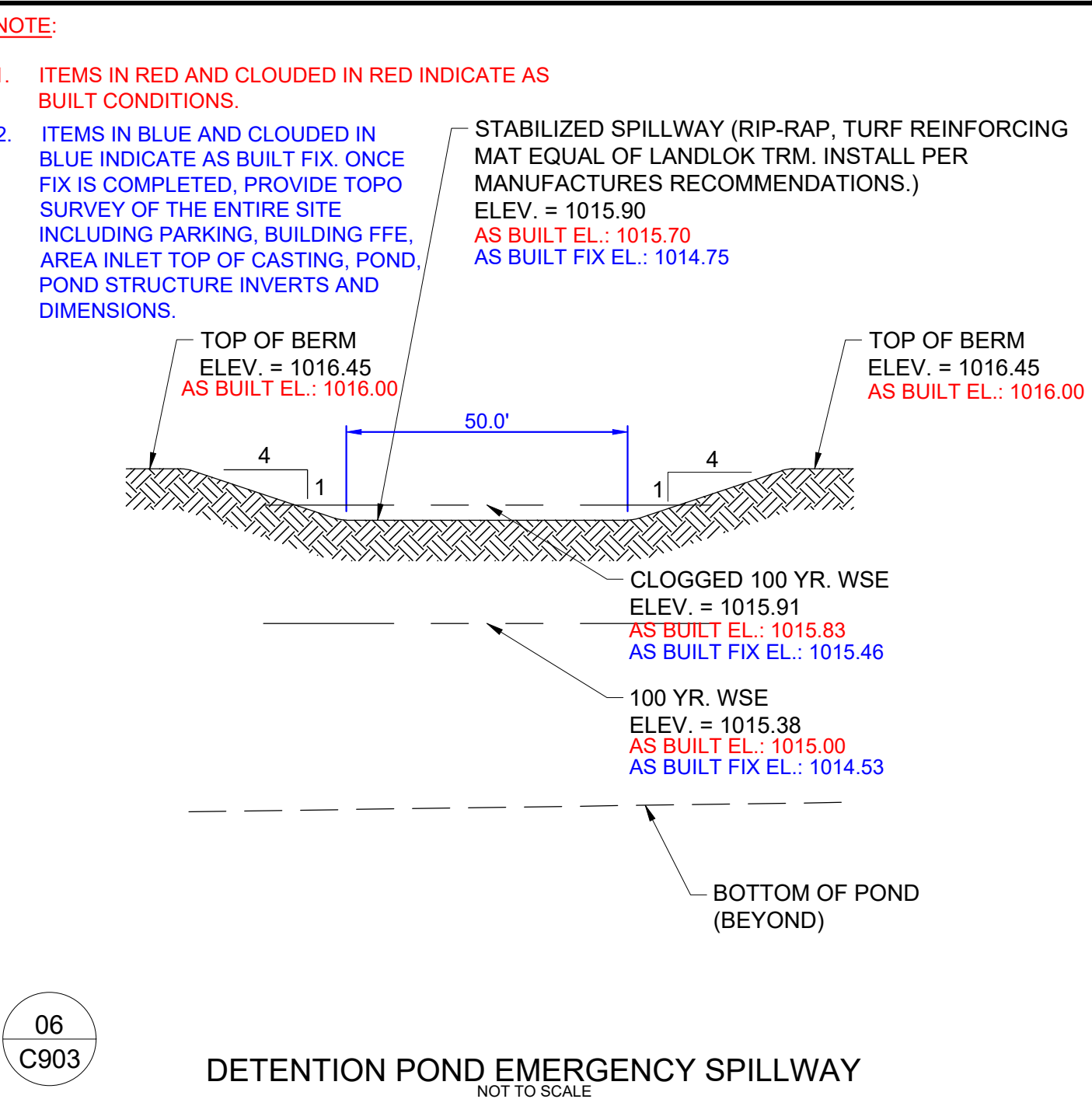
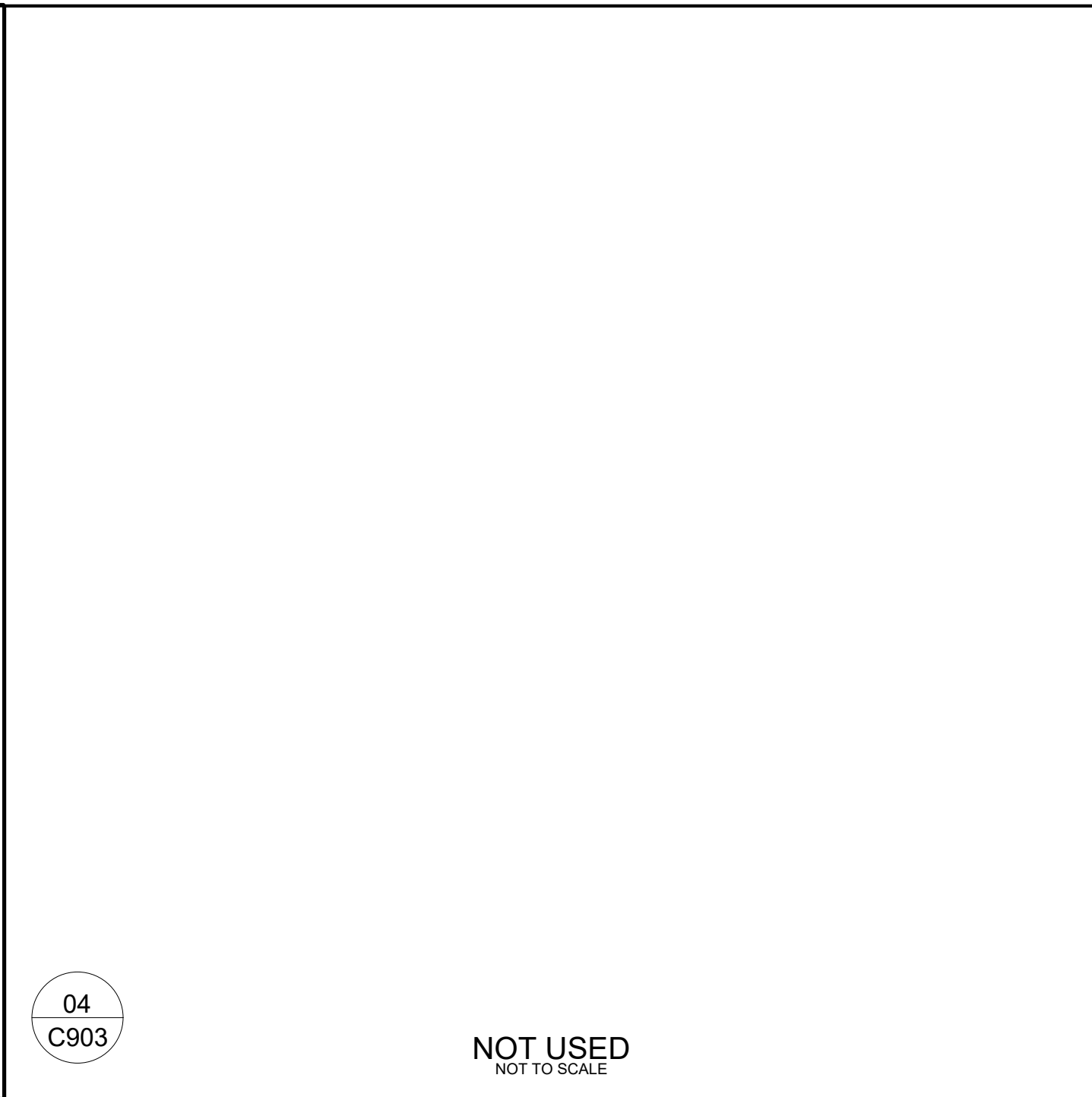
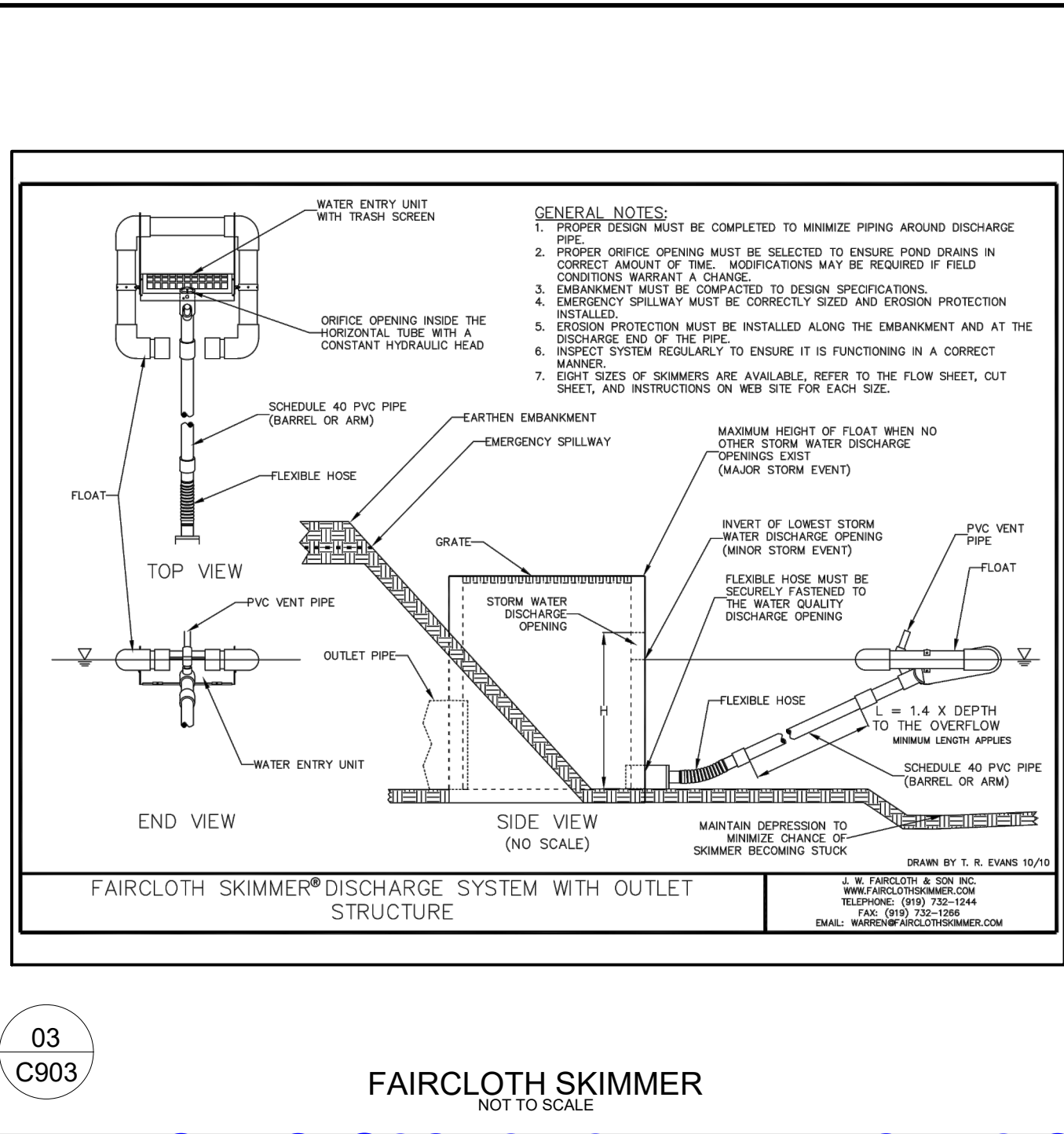
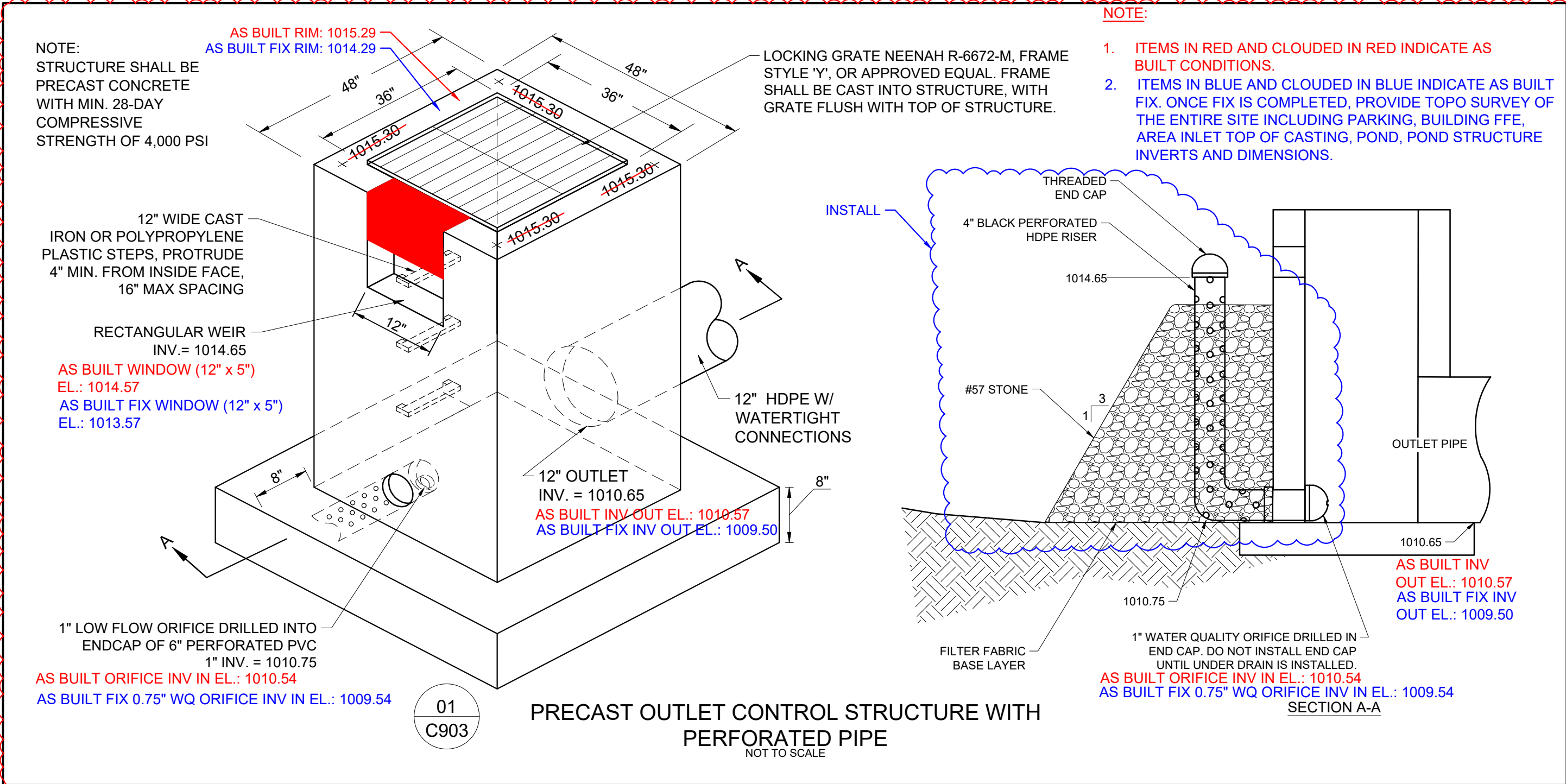
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STORM PLAN AND PROFILE

C301

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JANUARY 8, 2020

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MICHAEL DUANE HUNKLER
NUMBER E-28843

Revision		
No.	Date	Description
1	02.07.2020	CITY COMMENTS
2	02.20.2020	CITY COMMENTS
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8	07.07.2021	AS BUILT FIX

SITE DETAILS

C903

40831.45
JANUARY 8, 2020

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