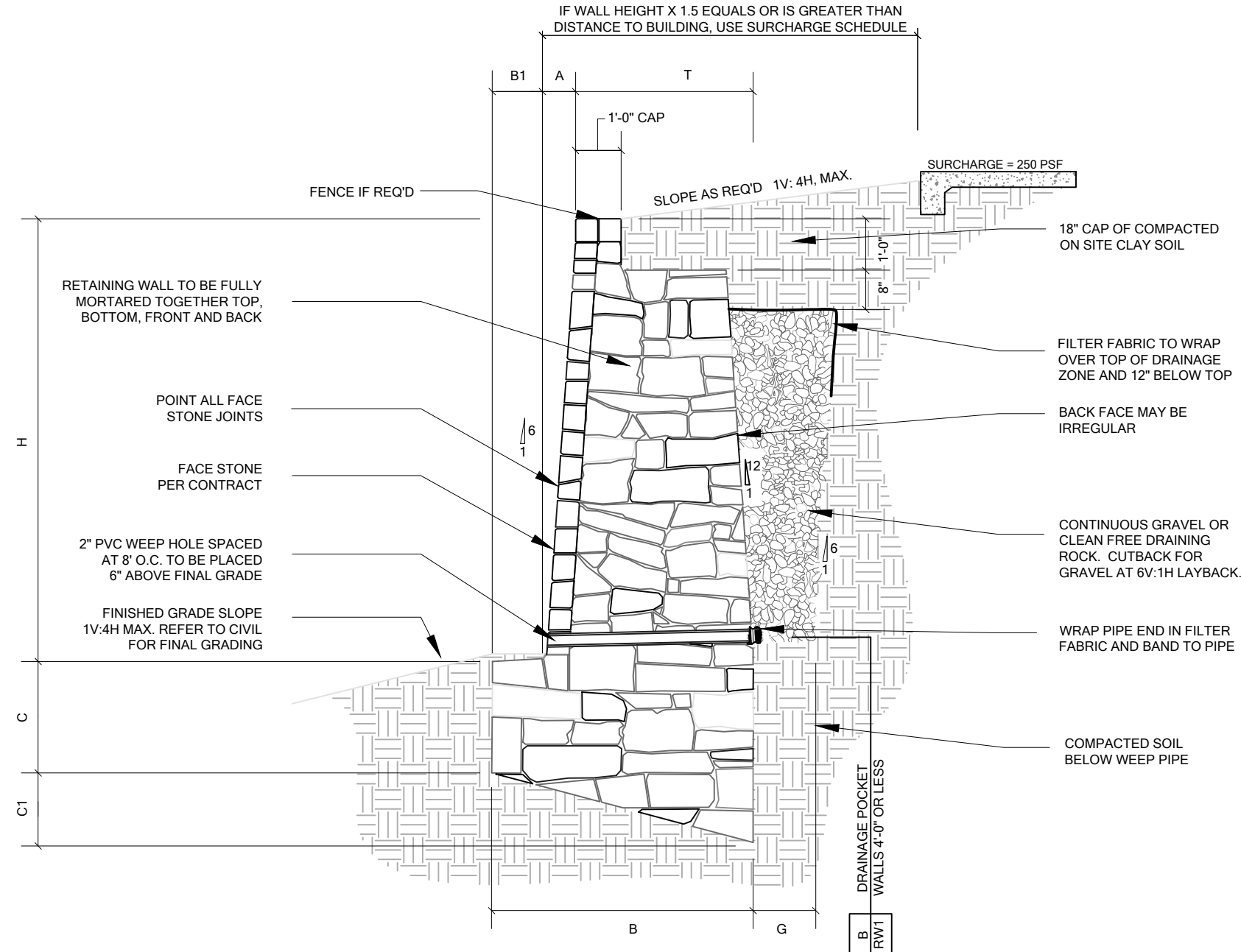
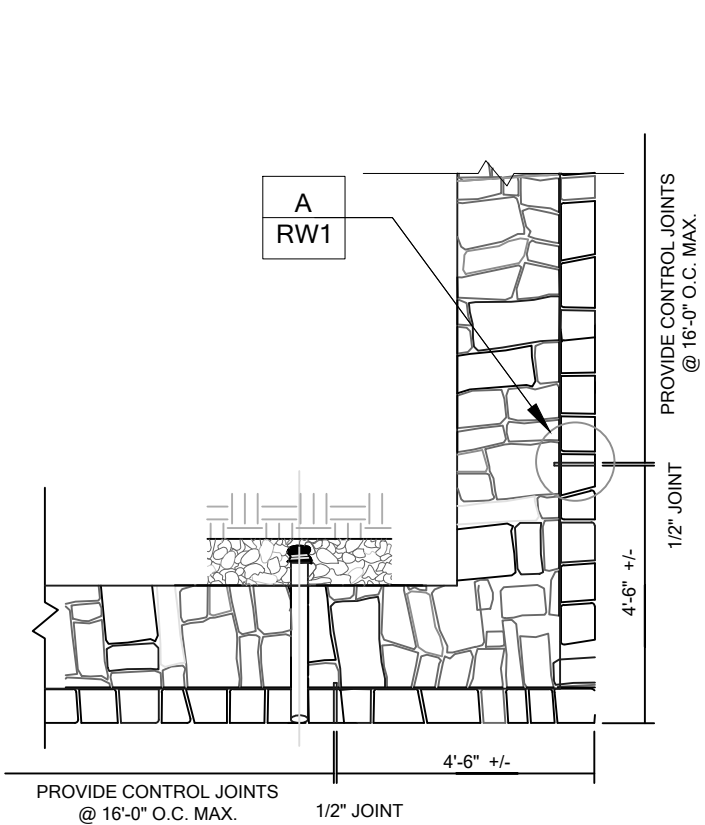
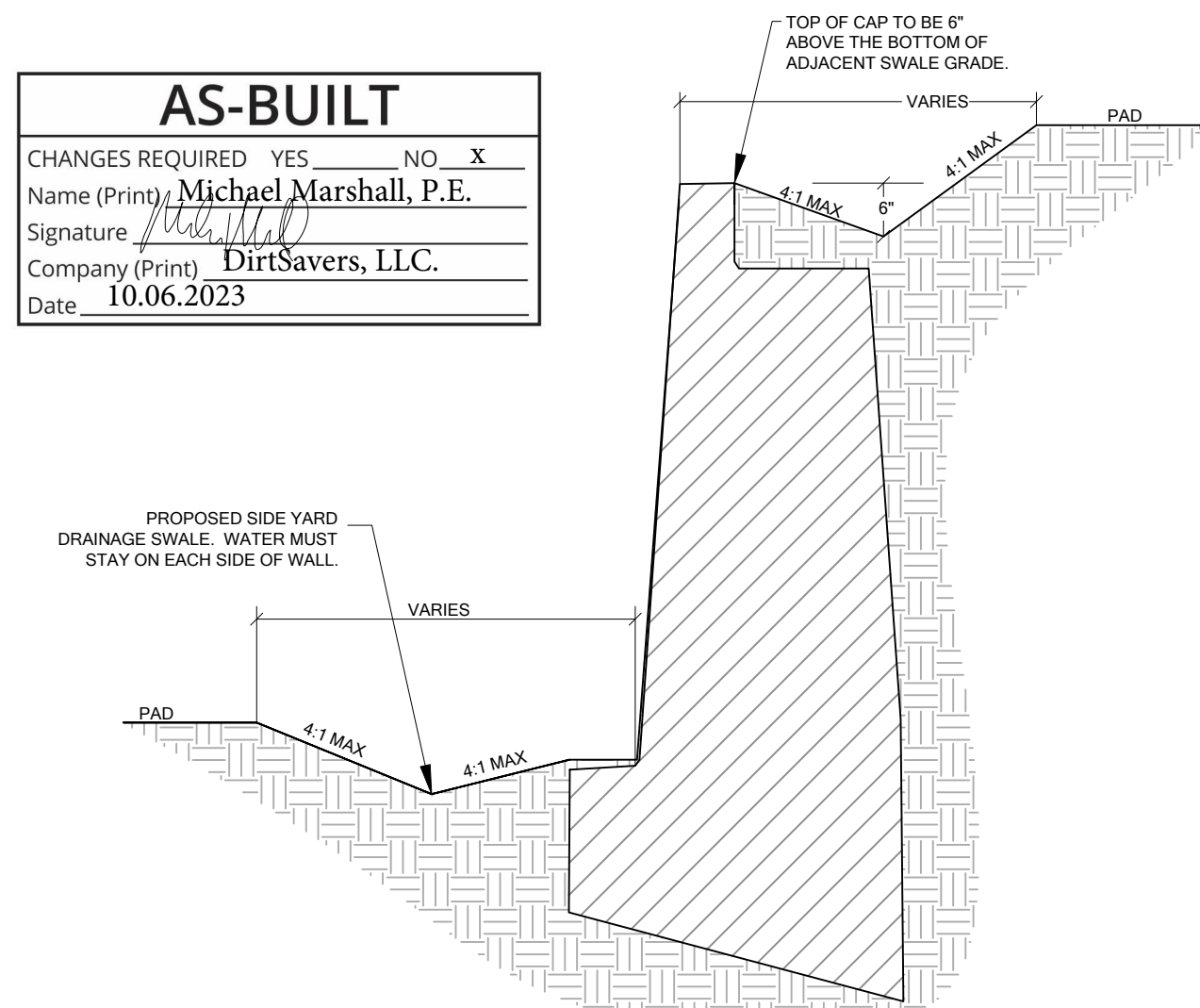




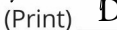
RW1/2 MASONRY WALL SCHEDULE -1200 psf - 6V:1H BATTER								
BEARING CAPACITY ON NATURAL SOIL OR COMPACTED AND TESTED FILLS								
WALL	BASE	TOE	BASE	BASE	BATTER	THICKNESS	DRAINAGE ZONE	BEARING
HEIGHT	WIDTH		DEPTH (TOE)	DEPTH (HEEL)		OF WALL	THICKNESS	CAPACITY
H	B	B1	C	C1	A	T	G	
1' - 0"	1' - 6"	0' - 2"	1' - 0"	0' - 3"	0' - 2"	1' - 4"	SEE B/RW1	1200 psf
2' - 0"	2' - 2"	0' - 5"	1' - 1"	0' - 5"	0' - 4"	1' - 9"	SEE B/RW1	
3' - 0"	2' - 10"	0' - 8"	1' - 2"	0' - 6"	0' - 6"	2' - 2"	SEE B/RW1	
4' - 0"	3' - 3"	0' - 8"	1' - 6"	0' - 7"	0' - 8"	2' - 7"	SEE B/RW1	
5' - 0"	3' - 10"	1' - 1"	1' - 9"	0' - 8"	0' - 10"	2' - 9"	1' - 0"	
6' - 0"	4' - 10"	1' - 3"	2' - 0"	0' - 10"	1' - 0"	3' - 7"	1' - 0"	
7' - 0"	5' - 10"	1' - 8"	2' - 3"	1' - 0"	1' - 2"	4' - 2"	1' - 2"	
8' - 0"	7' - 0"	2' - 0"	2' - 6"	1' - 3"	1' - 4"	5' - 0"	1' - 4"	1250 psf
9' - 0"	8' - 0"	2' - 4"	2' - 9"	1' - 5"	1' - 6"	5' - 8"	1' - 6"	
10' - 0"	8' - 6"	2' - 6"	3' - 0"	1' - 6"	1' - 8"	6' - 0"	1' - 8"	
11' - 0"	9' - 3"	2' - 9"	3' - 3"	1' - 8"	1' - 10"	6' - 6"	1' - 10"	
12' - 0"	10' - 2"	3' - 0"	3' - 6"	1' - 10"	2' - 0"	7' - 2"	2' - 0"	
13' - 0"	10' - 10"	3' - 0"	3' - 9"	1' - 11"	2' - 2"	7' - 10"	2' - 0"	
13' - 0"	10' - 10"	3' - 0"	3' - 9"	1' - 11"	2' - 2"	7' - 10"	2' - 0"	
WALL DESIGN CRITERIA								
BEARING	SLOPE TOP	SLOPE BOT	ACTIVE PRESSURE	PASSIVE PRESSURE	COEFFICIENT OF FRICTION	SURCHARGE	BUILDING SURCHARGE	
Q _a	β	β ₁	Φ _a	Φ _p		q		
1200 psf	14.3 deg	14.3 deg	30 deg	30 deg	0.3	250 psf		

MASONRY WALL W/ 6V:1H BATTER
RW1/2 AND BUILDING SURCHARGE

RW1/4 TYPICAL PLAN VIEW AT CORNER
SCALE: N.T.S.

RW1/6 TYPICAL SIDEYARD SWALE AT WALL

Minor variations in the construction of the retaining walls from these documents may be accepted at the discretion of the design engineer.

AS-BUILT	
CHANGES REQUIRED	YES _____ NO <u>X</u>
Name (Print)	<u>Michael Marshall, P.E.</u>
Signature	
Company (Print)	<u>DirtSavers, LLC.</u>
Date	<u>10.06.2023</u>



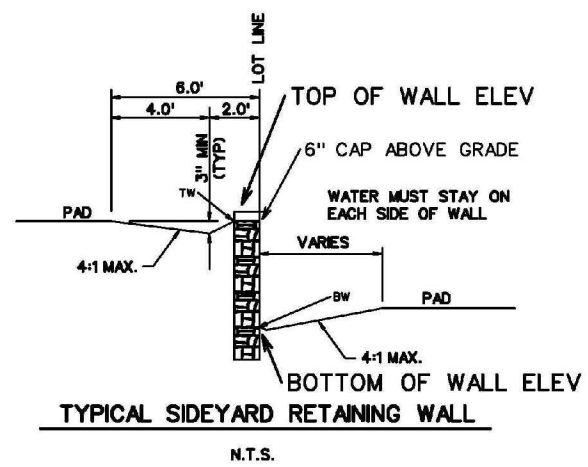
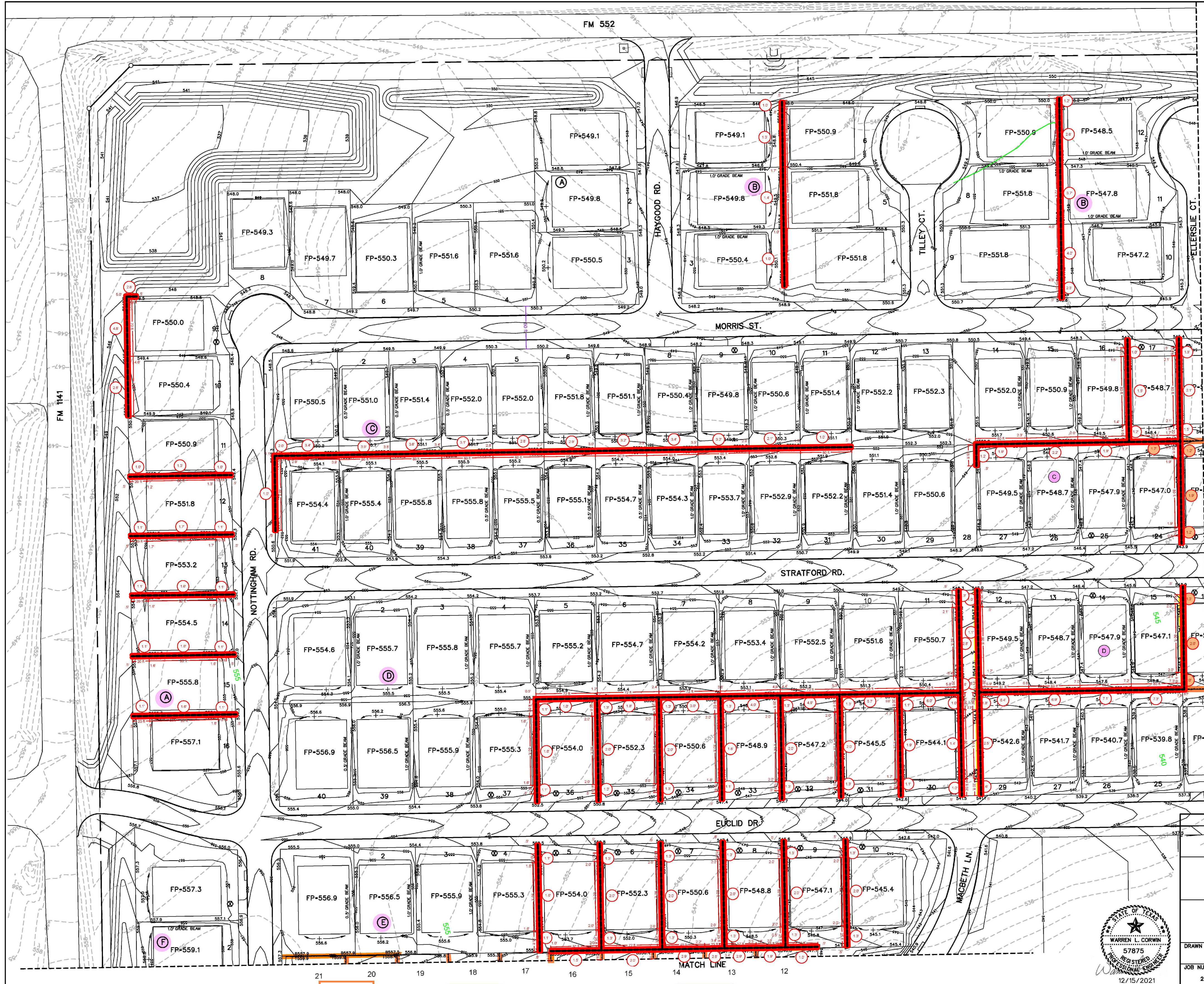
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	_____	_____
	_____	_____
	_____	_____
No. _____	Date _____	Item _____
REVISIONS		
DB: MAM	CHKD: MAM	APPD: MAM



RETAINING WALL DETAILS AND NOTES

Project No.	RW121321-
Date	12.13.202
Last Revision	01.10.202

RW1



NOTE:
RETAINING WALLS 3' IN HEIGHT AND OVER
NEED AN ENGINEER SEALED PLAN.
(PLANS TO BE SUBMITTED PRIOR
TO ENGINEERING APPROVAL)

LEGEND

SPOT ELEVATION	706.2
EXIST. CONTOUR	-700-
PROP. CONTOUR	-704-
RETAINING WALL	---
CH POINT	HP
TOP OF WALL GRADE	1706.2
BOTTOM OF WALL GRADE	6706.2

- NOTES:
1. Finish Floor Elevations to be 0.70 Feet above Finished Pad.(FP)
 2. Additional Erosion Control to be installed in Parkways as determined by the City Inspector.
 3. Finished Pad Elevations are within ± 0.3 Feet.
 4. All fill compacted to min 95% std. density using sheeps foot roller.
 5. All portions of the wall to be on one lot. Do not install on property line or in easements or right of way.
 6. All R.O.W. to be $\frac{1}{4}$ " per foot.
 7. All retaining walls to be rock or stone faced
 8. Walls 3' and over must be engineered.

SCALE: 1" = 50'

DRIVEWAY LOCATION SO MAXIMUM 14% SLOPE OR UNDER IS MAINTAINED. AVOID INLET OR MIN. DISSECTION. (DRIVEWAY MAY BE PLACED IN LOCATION WITH USE OF LONG AS MAXIMUM SLOPE)

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972) 396-1200
TBP# 5851

DEVELOPMENT PLANS FOR
NELSON LAKE
ESTATES
ROCKWALL, TEXAS

GRADING PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
21012	JUNE 2021	SCALE: 1"=50'	49

— RW1/1 RETAINING WALL W/ TYPICAL BATTER
— RW1/2 RETAINING WALL W/ TYPICAL BATTER AND BUILDING SURCHARGE

RW2/1 MASONRY WALL SITE LAYOUT
SCALE: N.T.S.

AS-BUILT
CHANGES REQUIRED YES NO X
Name (Print): Michael Marshall, P.E.
Signature: [Signature]
Company (Print): DirtSavers, LLC.
Date: 10.06.2023

RETAINING WALL LAYOUT SHOWN FOR REFERENCE ONLY AND IS BASED ON CIVIL DESIGN BY CORWIN ENGINEERING, INC.

DIRTSAVERS
PO BOX 566
ALEDO, TX 76008
PH: 469.834.7446
F: 414.138

NELSON LAKE ESTATES
MASONRY RETAINING WALLS
CITY OF ROCKWALL, TEXAS

No.	Date	Item
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

REVISIONS
DB: MAM CHKD: MAM APPD: MAM



RETAINING WALL
DETAILS AND NOTES

Project No. RW121321-1
Date 12.13.2021
Last Revision 01.10.2022

RW2



- LEGEND
- SPOT ELEVATION 706.2
 - EXIST. CONTOUR -700-
 - PROP. CONTOUR -704-
 - RETAINING WALL
 - HIGH POINT HP
 - TOP OF WALL GRADE 7706.2
 - BOTTOM OF WALL GRADE 8706.2

- NOTES:
1. Finish Floor Elevation to be 0.70 Feet above Finished Pad.(FP)
 2. Additional Erosion Control to be installed in Parkways as determined by the City Inspector.
 3. Finished Pad Elevations are within ± 0.3 Feet.
 4. All fill compacted to min 95% std. density using sheeps foot roller.
 5. All portions of the wall to be on one lot. Do not install on property line or in easements or right of way.
 6. All R.O.W. to be $\frac{1}{4}$ " per foot.
 7. All retaining walls to be rock or stone faced.
 8. Walls 3' and over must be engineered.

SHEET 52

SHEET 52

2ND LOOK
1/7/22
TREY B.

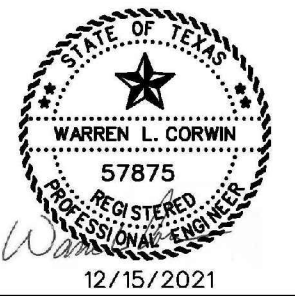


CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBP# FIRM #5951

DEVELOPMENT PLANS FOR
NELSON LAKE
ESTATES
ROCKWALL, TEXAS

GRADING PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
21012	JUNE 2021	SCALE: 1"=50'	50



AS-BUILT

CHANGES REQUIRED YES NO X
Name (Print): Michael Marshall, P.E.
Signature: [Signature]
Company (Print): DirtSavers, LLC.
Date: 10.06.2023

RETAINING WALL LAYOUT SHOWN FOR REFERENCE ONLY AND IS BASED ON CIVIL DESIGN BY CORWIN ENGINEERING, INC.

RW1/1 RETAINING WALL W/ TYPICAL BATTER
RW1/2 RETAINING WALL W/ TYPICAL BATTER AND BUILDING SURCHARGE

RW3/1 MASONRY WALL SITE LAYOUT SCALE: NTS

DIRTSAVERS

PO BOX 566
ALEDO, TX 76008
PH: 469.834.7446
F: 4138

NELSON LAKE ESTATES

MASONRY RETAINING WALLS
CITY OF ROCKWALL, TEXAS

No.	Date	Item

REVISIONS
DB: MAM CHKD: MAM APPD: MAM



RETAINING WALL
DETAILS AND NOTES

Project No. RW121321-1
Date 12.13.2021
Last Revision 01.10.2022

RW3

MASONRY RETAINING WALLS
CITY OF ROCKWALL, TEXAS



Project No.	RW121321-1
Date	12.13.2021
Last Revision	01.10.2022

RW5



CHANGES REQUIRED YES _____ NO ☒ X
Name (Print) **Michael Marshall, P.E.**
Signature 
Company (Print) **DirtSavers, LLC.**
Date **10.06.2023**

RETAINING WALL LAYOUT SHOWN FOR REFERENCE
ONLY AND IS BASED ON CIVIL DESIGN BY
CORWIN ENGINEERING, INC.