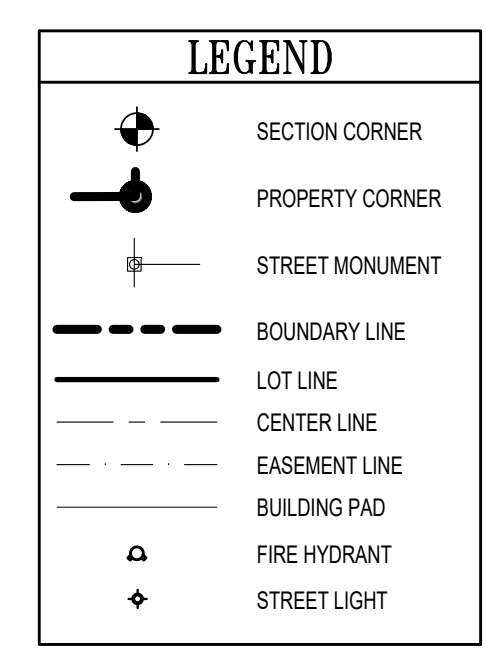
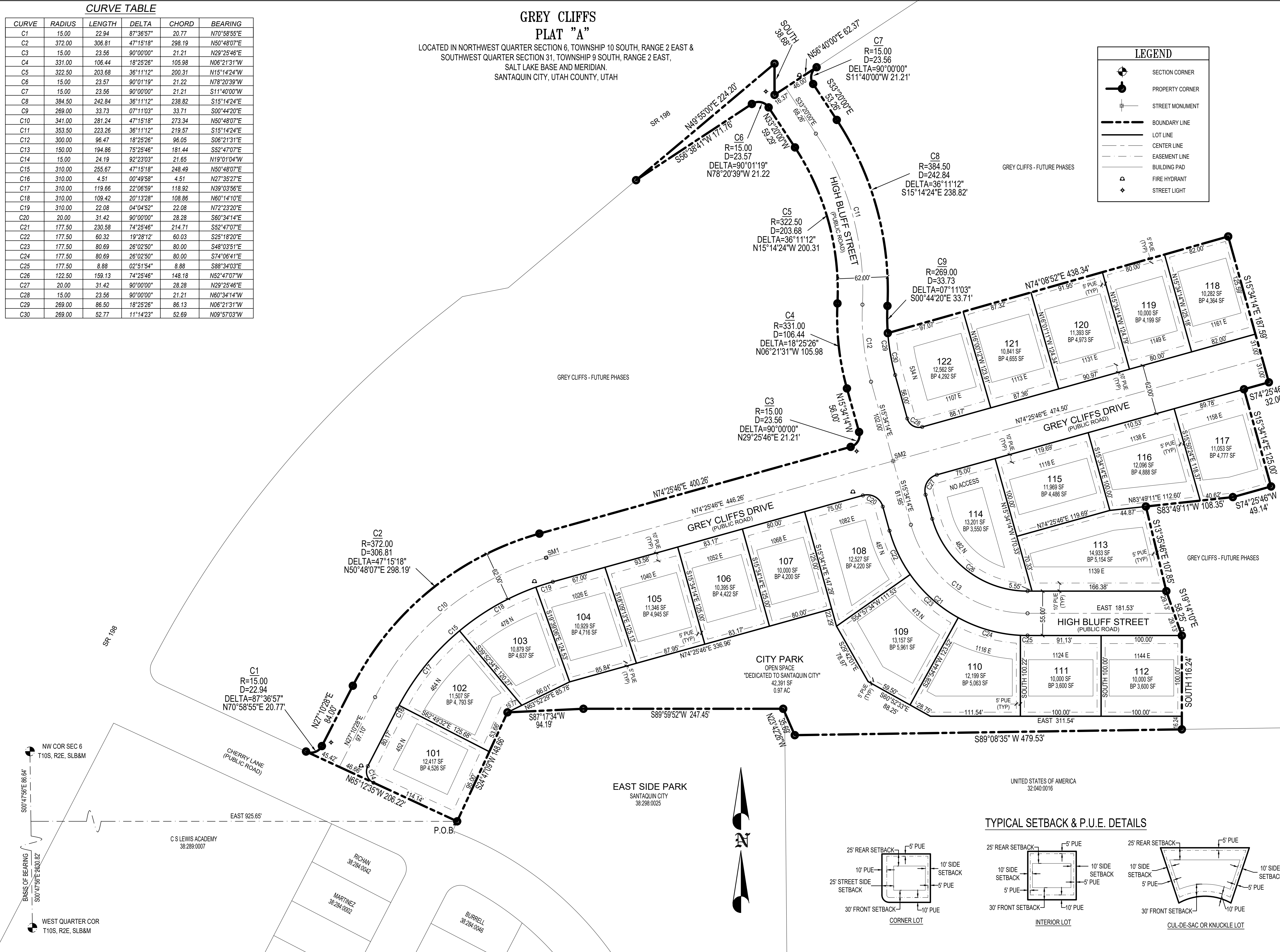


CURVE	RADIUS	LENGTH	DELTA	CHORD	BEARING
C1	15.00	22.94	87°36'57"	20.77	N70°58'55"E
C2	372.00	306.81	47°15'18"	298.19	N50°48'07"E
C3	15.00	23.56	90°00'00"	21.21	N29°25'46"E
C4	331.00	106.44	18°25'26"	105.98	N06°21'31"W
C5	322.50	203.68	36°11'12"	200.31	N15°14'24"W
C6	15.00	23.57	90°01'19"	21.22	N78°20'39"W
C7	15.00	23.56	90°00'00"	21.21	S11°40'00"W
C8	384.50	242.84	36°11'12"	238.82	S15°14'24"E
C9	269.00	33.73	07°11'03"	33.71	S00°44'20"E
C10	341.00	281.24	47°15'18"	273.34	N50°48'07"E
C11	353.50	223.26	36°11'12"	219.57	S15°14'24"E
C12	300.00	96.47	18°25'26"	96.05	S06°21'31"E
C13	150.00	194.86	75°25'46"	181.44	S52°47'07"E
C14	15.00	24.19	92°23'03"	21.65	N19°01'04"W
C15	310.00	255.67	47°15'18"	248.49	N50°48'07"E
C16	310.00	4.51	00°49'58"	4.51	N27°35'27"E
C17	310.00	119.66	22°06'59"	118.92	N39°03'56"E
C18	310.00	109.42	20°13'28"	108.86	N60°14'10"E
C19	310.00	22.08	04°04'52"	22.08	N72°23'20"E
C20	20.00	31.42	90°00'00"	28.28	S60°34'14"E
C21	177.50	230.58	74°25'46"	214.71	S52°47'07"E
C22	177.50	60.32	19°28'12"	60.03	S25°18'20"E
C23	177.50	80.69	26°02'50"	80.00	S48°03'51"E
C24	177.50	80.69	26°02'50"	80.00	S74°06'41"E
C25	177.50	8.88	02°51'54"	8.88	S88°34'03"E
C26	122.50	159.13	74°25'46"	148.18	N82°47'07"W
C27	20.00	31.42	90°00'00"	28.28	N29°25'46"E
C28	15.00	23.56	90°00'00"	21.21	N60°34'14"W
C29	269.00	86.50	18°25'26"	86.13	N06°21'31"W
C30	269.00	52.77	11°14'23"	52.69	N09°57'03"W

**GREY CLIFFS  
PLAT "A"**  
LOCATED IN NORTHWEST QUARTER SECTION 6, TOWNSHIP 10 SOUTH, RANGE 2 EAST &  
SOUTHWEST QUARTER SECTION 31, TOWNSHIP 9 SOUTH, RANGE 2 EAST,  
SALT LAKE BASE AND MERIDIAN.  
SANTAQUIN CITY, UTAH COUNTY, UTAH



**SURVEYOR'S CERTIFICATE**

I, \_\_\_\_\_ DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, AND THAT I HOLD A LICENSE IN ACCORDANCE WITH TITLE 58, CHAPTER 22, PROFESSIONAL ENGINEERS AND LAND SURVEYORS LICENSING ACT, UTAH CODE ANNOTATED, 1953 AS AMENDED, CERTIFICATE NO. \_\_\_\_\_ I FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS, I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, STREETS AND EASEMENTS, HAVE COMPLETED A SURVEY OF THE PROPERTY DESCRIBED ON THIS PLAT IN ACCORDANCE WITH SECTION 17-23-17, UTAH CODE ANNOTATED, 1953 AS AMENDED, HAVE VERIFIED ALL MEASUREMENTS, AND HAVE PLACED MONUMENTS AS REPRESENTED ON THE PLAT. I FURTHER CERTIFY THAT EVERY EXISTING RIGHT-OF-WAY AND EASEMENT GRANT OF RECORD FOR UNDERGROUND FACILITIES, AS DEFINED IN SECTION 54-8a-2, UTAH CODE ANNOTATED, 1953 AS AMENDED, AND FOR OTHER UTILITY FACILITIES, IS ACCURATELY DESCRIBED ON THIS PLAT, AND THAT THIS PLAT IS TRUE AND CORRECT.

DATE \_\_\_\_\_ (SEE SEAL BELOW)

**BOUNDARY DESCRIPTION**

BEGINNING AT A POINT WHICH IS SOUTH 00°47'56" E 1355.49 FEET ALONG THE SECTION LINE & EAST 925.65 FEET FROM THE NORTHWEST CORNER OF SECTION 6, T10S, R2E, SLB&M.

THENCE NORTH 65°12'35" WEST 208.22 FEET; THENCE ALONG THE ARC OF A NON-TANGENT 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 22.94 FEET (CURVE HAVING A CENTRAL ANGLE OF 87°36'57" AND A LONG CHORD BEARS N70°58'55"E 20.77 FEET); THENCE NORTH 27°10'28" EAST 84.00 FEET; THENCE ALONG THE ARC OF A 372.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 306.81 FEET (CURVE HAVING A CENTRAL ANGLE OF 47°15'18" AND A LONG CHORD BEARS N50°48'07"E 298.19 FEET); THENCE NORTH 74°25'46" EAST 402.28 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°00'00" AND A LONG CHORD BEARS N29°25'46"E 21.21 FEET); THENCE NORTH 15°34'14" WEST 56.00 FEET; THENCE ALONG THE ARC OF A 331.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 106.44 FEET (CURVE HAVING A CENTRAL ANGLE OF 18°25'26" AND A LONG CHORD BEARS N06°21'31"W 105.98 FEET); THENCE ALONG THE ARC OF A 322.50 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 203.68 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS N15°14'24"W 200.31 FEET); THENCE NORTH 33°20'00" WEST 59.29 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.57 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°01'19" AND A LONG CHORD BEARS N78°20'39"W 21.22 FEET); THENCE SOUTH 56°38'41" WEST 171.76 FEET; THENCE NORTH 49°55'00" EAST 224.20 FEET; THENCE SOUTH 38.68 FEET; THENCE NORTH 36°40'00" EAST 62.37 FEET; THENCE ALONG THE ARC OF A NON-TANGENT 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°00'00" AND A LONG CHORD BEARS N29°25'46"E 21.21 FEET); THENCE ALONG THE ARC OF A 384.50 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 242.84 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS S15°14'24"E 238.82 FEET); THENCE ALONG THE ARC OF A 269.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 33.73 FEET (CURVE HAVING A CENTRAL ANGLE OF 07°11'03" AND A LONG CHORD BEARS S00°44'20"E 33.71 FEET); THENCE NORTH 74°08'52" EAST 438.34 FEET; THENCE SOUTH 15°34'14" EAST 125.00 FEET; THENCE SOUTH 74°25'46" WEST 32.00 FEET; THENCE SOUTH 13°35'46" EAST 107.85 FEET; THENCE SOUTH 19°14'10" EAST 58.25 FEET; THENCE SOUTH 116.24 FEET; THENCE SOUTH 89°08'35" WEST 479.53 FEET; THENCE NORTH 23°42'26" WEST 35.69 FEET; THENCE SOUTH 89°59'52" WEST 247.45 FEET; THENCE SOUTH 87°17'34" WEST 94.19 FEET; THENCE SOUTH 24°47'09" WEST 148.66 FEET TO THE POINT OF BEGINNING.

CONTAINS: 431,842 SF OR 9.91 AC

**OWNER'S DEDICATION**

KNOW ALL MEN BY THESE PRESENTS THAT WE, ALL OF THE UNDERSIGNED OWNERS OF ALL THE PROPERTY DESCRIBED IN THE SURVEYOR'S CERTIFICATE HEREON AND SHOWN ON THIS MAP, HAVE CAUSED THE SAID PROPERTY TO BE SUBDIVIDED INTO LOTS, BLOCKS, STREETS, PUBLIC OPEN SPACE AND EASEMENTS AND DO HEREBY DEDICATE THE STREETS, PUBLIC OPEN SPACE, EASEMENTS AND OTHER PUBLIC AREAS AS INDICATED HEREON FOR THE PERPETUAL USE OF THE PUBLIC.

IN WITNESS WHEREOF WE HAVE HEREUNTO SET OUR HANDS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_

**ACKNOWLEDGMENT**

STATE OF UTAH }  
COUNTY OF UTAH } S.S.  
ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_ PERSONALLY APPEARED BEFORE ME THE SIGNERS OF THE FOREGOING DEDICATION WHO DULY ACKNOWLEDGE TO ME THAT THEY DID EXECUTE THE SAME.

MY COMMISSION EXPIRES \_\_\_\_\_ NOTARY PUBLIC (SEE SEAL BELOW)

**PLANNING COMMISSION APPROVAL**

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_ BY THE \_\_\_\_\_ PLANNING COMMISSION.

\_\_\_\_\_  
DIRECTOR, SECRETARY  
\_\_\_\_\_  
CHAIRMAN, PLANNING COMMISSION

**GREY CLIFFS  
PLAT "A"**  
LOCATED IN NORTHWEST QUARTER SECTION 6, TOWNSHIP 10 SOUTH, RANGE 2 EAST &  
SOUTHWEST QUARTER SECTION 31, TOWNSHIP 9 SOUTH, RANGE 2 EAST,  
SALT LAKE BASE AND MERIDIAN.  
SANTAQUIN CITY, UTAH COUNTY, UTAH

SCALE: 1" = 60' FEET

SURVEYOR'S SEAL    NOTARY PUBLIC SEAL    CITY ENGINEER SEAL    CLERK-RECORDER SEAL

**CENTURY LINK ACCEPTANCE**

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_

CENTURY LINK  
BY \_\_\_\_\_ TITLE \_\_\_\_\_

**ROCKY MOUNTAIN POWER ACCEPTANCE**

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_

ROCKY MOUNTAIN POWER  
BY \_\_\_\_\_ TITLE \_\_\_\_\_

**CENTRACOM ACCEPTANCE**

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_

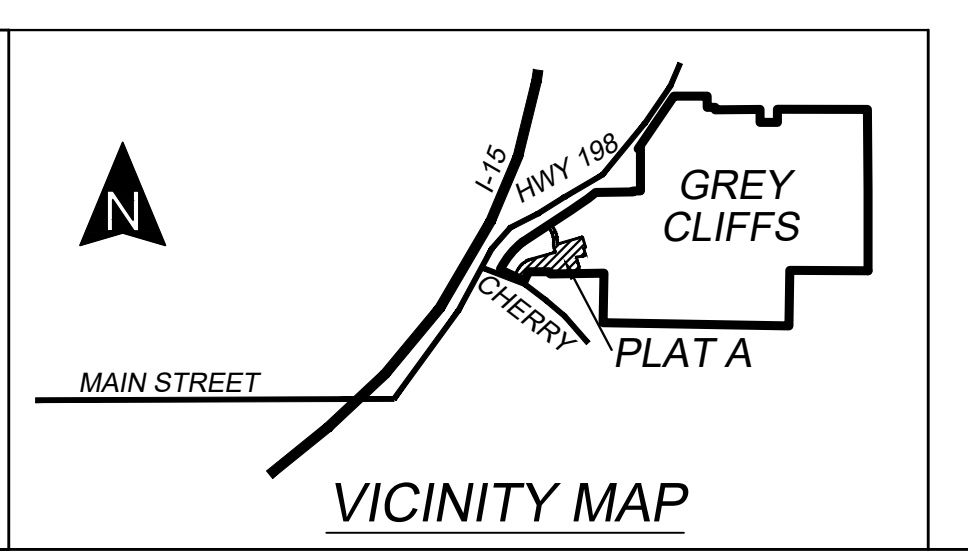
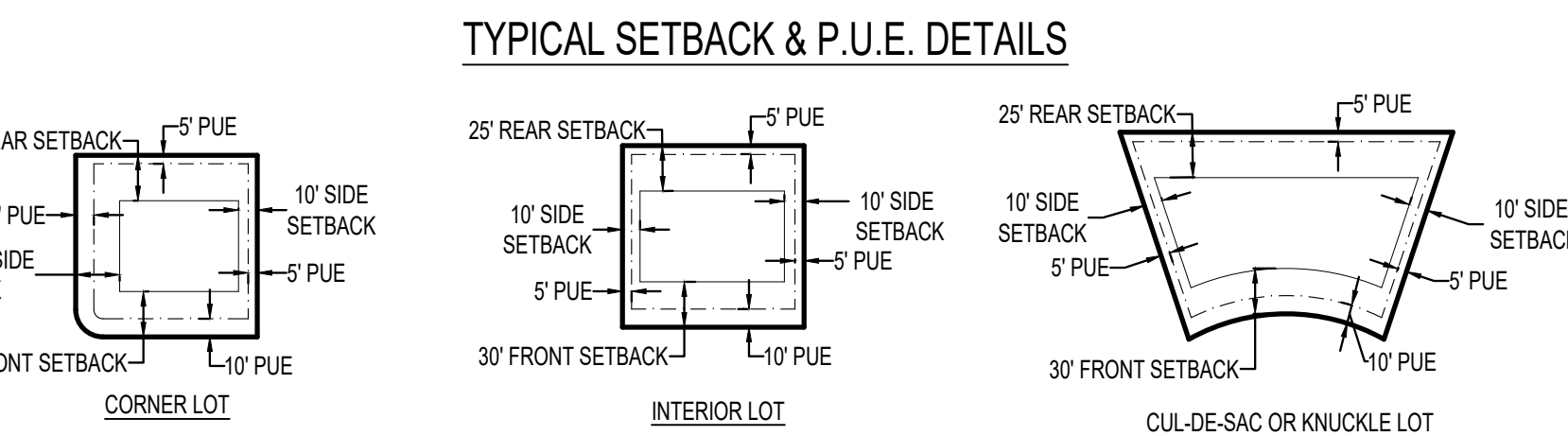
CENTRACOM  
BY \_\_\_\_\_ TITLE \_\_\_\_\_

**DOMINION ENERGY**

DOMINION ENERGY APPROVES THIS PLAT SOLELY FOR THE PURPOSE OF CONFIRMING THAT THE PLAT CONTAINS PUBLIC UTILITY EASEMENTS. DOMINION ENERGY MAY REQUIRE OTHER EASEMENTS IN ORDER TO SERVE THIS DEVELOPMENT. THIS APPROVAL DOES NOT CONSTITUTE ACCEPTANCE, APPROVAL OR ACKNOWLEDGEMENT OF ANY TERMS CONTAINED IN THE PLAT, INCLUDING THOSE SET FORTH IN THE OWNERS DEDICATION AND THE NOTES AND DOES NOT CONSTITUTE A GUARANTEE OF PARTICULAR TERMS OF NATURAL GAS SERVICE. FOR FURTHER INFORMATION PLEASE CONTACT DOMINION ENERGY'S RIGHT-OF-WAY DEPARTMENT AT 1 (800) 366-8532.

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. \_\_\_\_\_

DOMINION ENERGY  
BY \_\_\_\_\_ TITLE \_\_\_\_\_



**ENGINEER**

**BERG**  
CIVIL ENGINEERING

SURVEYOR

**AZTEC engineering inc.**  
1018 N Deer Creek Lane  
Alpine UT, 84001  
Office (801) 462-1277  
cell (801) 616-1677

732 N. 780 W.  
AMERICAN FORK, UT, 84003  
aztecingeering@gmail.com

# GREY CLIFFS FINAL PLAT A

## SHEET INDEX

C0	COVER
C1.0	LAYOUT PLAN
C2.0	UTILITY PLAN
C3.0 - C3.4	GRADING & DRAINAGE PLANS
C4.1 - C4.2	GREY CLIFFS PLAN & PROFILE
C5.1 - C5.2	HIGH BLUFF PLAN & PROFILE
C6.1	CHERRY LANE IMPROVEMENTS
C7.1	S.R. 198 IMPROVEMENTS
C8.1	OPEN SPACE PLAN
C9.1	OVERALL PHASING PLAN
DTLI-DTL4	CONSTRUCTION DETAILS

## CITY APPROVALS / COMMENTS

## PRELIMINARY PLAN

<b>AREA CALCULATIONS</b>	
PROJECT ACREAGE	= 340.56 AC (100.0%)
RESIDENTIAL LOTS (SINGLE FAMILY)	= 76.48 AC ( 22.5%)
COMMERCIAL LOTS	= 26.28 AC ( 7.7%)
STREET DEDICATIONS	= 25.52 AC ( 7.5%)
PRIVATE CONSERVATION EASEMENTS	= 24.83 AC ( 7.3%)
/ SENSITIVE LANDS OVER 30% SLOPE	
HOA PARCEL (FAMILY CAMP)	= 18.19 AC ( 5.3%)
PUBLIC NATURAL OPEN SPACE	= 154.97 AC (45.5%)
/ SENSITIVE LANDS OVER 30% SLOPE	
TOTAL SENSITIVE LANDS	= 197.99 AC ( 58.1%)
PUBLIC IMPROVED OPEN SPACE	= 14.42 AC ( 4.2%)
<b>HILLSIDE OVERLAY</b>	
PROJECT ACREAGE	= 340.56 AC (100%)
TOTAL SENSITIVE LANDS	= 197.99 AC (58.1%)
NET DEVELOPABLE AREA	= 142.57 AC (41.9%)
OPEN SPACEREQ'D (10% NET AREA)	= 14.26 AC
IMPROVED OPEN SPACE PROVIDED	= 14.42 AC

### UDOT SR 198

WRITTEN APPROVAL FROM UDOT IS REQUIRED BEFORE FINAL PLAT APPROVAL FOR ALL ROADWAYS CONNECTING TO SR-198 AND ALL UTILITIES TO BE CONSTRUCTED WITHIN SR-198.

THE PROJECT HAS BEEN DESIGNED TO MEET AT UDOT INTERSECTION SPACING REQUIREMENTS AND UTILITY LOCATIONS.

### DENSITY TABULATIONS

ZONING R-10 / C-1

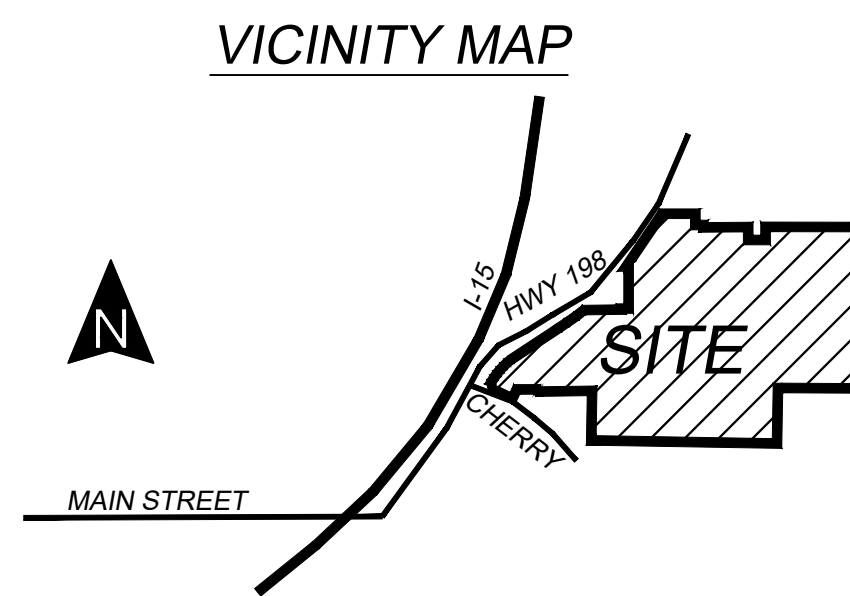
RESIDENTIAL LOTS	
PHASE A	22 LOTS
PHASE B	29 LOTS
PHASE C	31 LOTS
PHASE D	29 LOTS
PHASE E	33 LOTS
PHASE F	71 LOTS
TOTAL	215 LOTS

COMMERCIAL LOTS 4 LOTS

DENSITY (215+4) / 340.56 0.64 DU/AC

### WILDLAND / URBAN INTERFACE

THIS DEVELOPMENT IS SUBJECT TO THE REQUIREMENTS OF THE WILDLAND / URBAN INTERFACE. DEVELOPER TO GAIN APPROVAL OF A FIRE MITIGATION PLAN FROM SANTAQUIN CITY FIRE DEPARTMENT. THE REQUIREMENTS OF THIS FIRE MITIGATION PLAN WILL BE NOTED ON ALL FINAL PLATS OF THE DEVELOPMENT AND DETAILED IN THE DEVELOPMENT AGREEMENT.



THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

## GREY CLIFFS LLC.

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

BERG  
CIVIL ENGINEERING

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

## FINAL PLAT "A" CONSTRUCTION DRAWINGS

SHEET NAME	SHEET NUMBER
COVER	C0

\\p01\dev\proj\2023\grey-cliffs-plat-a\cover.dwg

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	CHORD	BEARING
C1	15.00	22.94	87°36'57"	20.77	N70°58'55"E
C2	372.00	306.81	47°15'18"	298.19	N50°48'07"E
C3	15.00	23.56	90°00'00"	21.21	N29°25'46"E
C4	331.00	106.44	18°25'26"	105.98	N06°21'31"W
C5	322.50	203.68	36°11'12"	200.31	N15°14'24"W
C6	15.00	23.57	90°01'19"	21.22	N78°20'39"W
C7	15.00	23.56	90°00'00"	21.21	S11°40'00"E
C8	384.50	242.84	36°11'12"	238.82	S15°14'24"E
C9	269.00	33.73	07°11'03"	33.71	S00°44'20"E
C10	341.00	281.24	47°15'18"	273.34	N50°48'07"E
C11	353.50	223.26	36°11'12"	219.57	S15°14'24"E
C12	300.00	96.47	18°25'26"	96.05	S06°21'31"E
C13	150.00	194.86	75°25'46"	181.44	S52°47'07"E
C14	15.00	24.19	92°23'03"	21.65	N19°01'04"W
C15	310.00	255.67	47°15'18"	248.49	N50°48'07"E
C16	310.00	4.51	00°49'58"	4.51	N27°35'27"E
C17	310.00	119.66	22°06'59"	118.92	N39°03'56"E
C18	310.00	109.42	20°13'28"	108.86	N60°14'10"E
C19	310.00	22.08	04°04'52"	22.08	N72°23'20"E
C20	20.00	31.42	90°00'00"	28.28	S60°34'14"E
C21	177.50	230.58	74°25'46"	214.71	S52°47'07"E
C22	177.50	60.32	19°28'12"	60.03	S25°18'20"E
C23	177.50	80.69	26°02'50"	80.00	S48°03'51"E
C24	177.50	80.69	26°02'50"	80.00	S74°06'41"E
C25	177.50	8.88	02°51'54"	8.88	S88°34'03"E
C26	122.50	159.13	74°25'46"	148.18	N52°47'07"W
C27	20.00	31.42	90°00'00"	28.28	N29°25'46"E
C28	15.00	23.56	90°00'00"	21.21	N60°34'14"W
C29	269.00	86.50	18°25'26"	86.13	N06°21'31"W
C30	269.00	52.77	11°14'23"	52.69	N09°57'03"W

**BOUNDARY DESCRIPTION**

BEGINNING AT A POINT WHICH IS SOUTH 00°47'56" E 1355.49 FEET ALONG THE SECTION LINE & EAST 925.65 FEET FROM THE NORTHWEST CORNER OF SECTION 6, T10S, R2E, SLB&M.

THENCE NORTH 65°12'35" WEST 206.22 FEET; THENCE ALONG THE ARC OF A NON-TANGENT 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 22.94 FEET (CURVE HAVING A CENTRAL ANGLE OF 87°36'57" AND A LONG CHORD BEARS N70°58'55"E 20.77 FEET); THENCE NORTH 27°02'28" EAST 84.00 FEET; THENCE ALONG THE ARC OF A 372.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 306.81 FEET (CURVE HAVING A CENTRAL ANGLE OF 47°15'18" AND A LONG CHORD BEARS N50°48'07"E 298.19 FEET); THENCE NORTH 74°25'46" EAST 400.26 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°00'00" AND A LONG CHORD BEARS N29°25'46"E 21.21 FEET); THENCE NORTH 15°34'14" WEST 56.00 FEET; THENCE ALONG THE ARC OF A 331.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 106.44 FEET (CURVE HAVING A CENTRAL ANGLE OF 18°25'26" AND A LONG CHORD BEARS N06°21'31"W 105.98 FEET); THENCE ALONG THE ARC OF A 322.50 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 203.68 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS N15°14'24"W 200.31 FEET); THENCE NORTH 33°20'00" WEST 59.29 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.57 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°01'19" AND A LONG CHORD BEARS N78°20'39"W 21.22 FEET); THENCE SOUTH 56°00'00" WEST 21.21 FEET; THENCE ALONG THE ARC OF A 384.50 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 242.84 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS S15°14'24"E 238.82 FEET); THENCE SOUTH 33°20'00" WEST 59.29 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°00'00" AND A LONG CHORD BEARS S11°40'00"E 21.21 FEET); THENCE SOUTH 33°20'00" EAST 53.28 FEET; THENCE ALONG THE ARC OF A 384.50 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 242.84 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS S15°14'24"E 238.82 FEET); THENCE SOUTH 56°00'00" WEST 21.21 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET (CURVE HAVING A CENTRAL ANGLE OF 90°00'00" AND A LONG CHORD BEARS S11°40'00"W 21.21 FEET); THENCE SOUTH 33°20'00" EAST 53.28 FEET; THENCE ALONG THE ARC OF A 384.50 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 242.84 FEET (CURVE HAVING A CENTRAL ANGLE OF 36°11'12" AND A LONG CHORD BEARS S15°14'24"E 238.82 FEET); THENCE SOUTH 19°34'14" EAST 125.00 FEET; THENCE SOUTH 74°25'46" WEST 49.14 FEET; THENCE SOUTH 89°49'11" WEST 108.35 FEET; THENCE SOUTH 13°35'46" EAST 107.85 FEET; THENCE SOUTH 19°14'10" EAST 28.25 FEET; THENCE SOUTH 116°24'44" WEST 416.93 FEET; THENCE SOUTH 89°59'52" WEST 47.45 FEET; THENCE SOUTH 87°17'34" WEST 94.19 FEET; THENCE SOUTH 24°47'09" WEST 148.66 FEET TO THE POINT OF BEGINNING.

CONTAINS: 431,842 SF OR 9.91 AC

DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

SCALE: 1"= 60'

**BERG CIVIL ENGINEERING**  
1018 N Deer Crest Lane  
Alpine, UT, 84004  
office (801) 492-1277  
cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

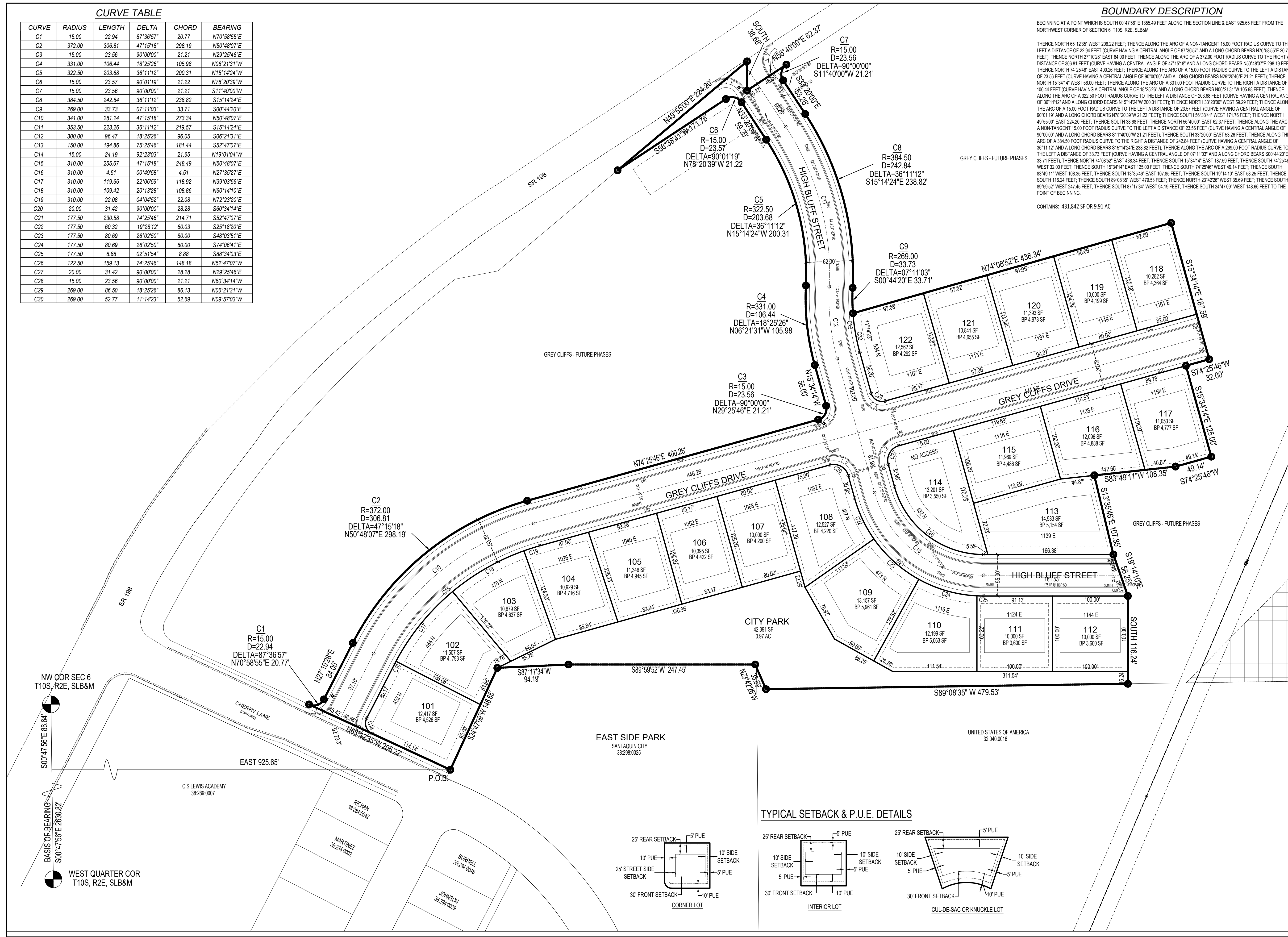
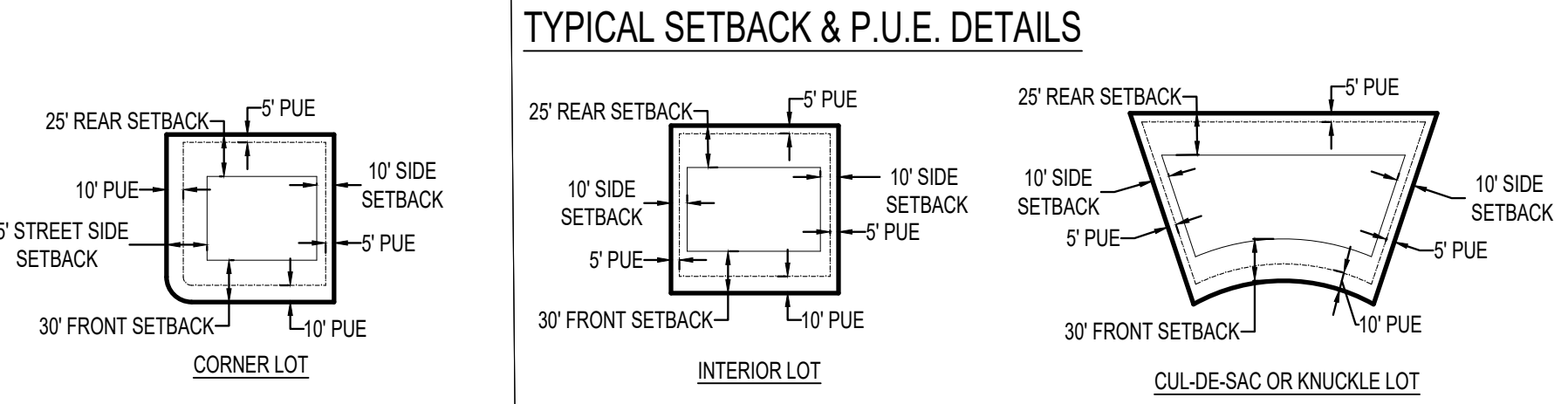
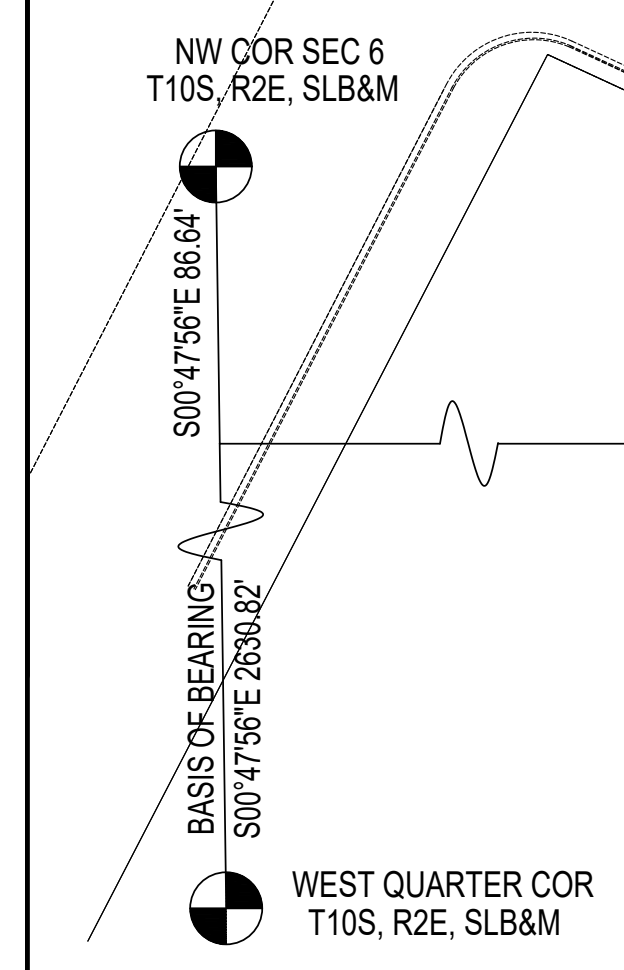
ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

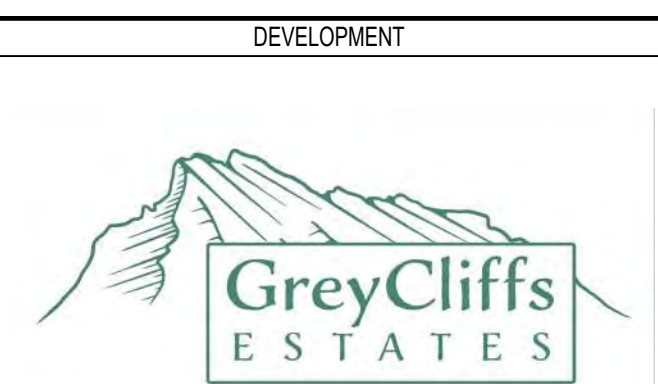
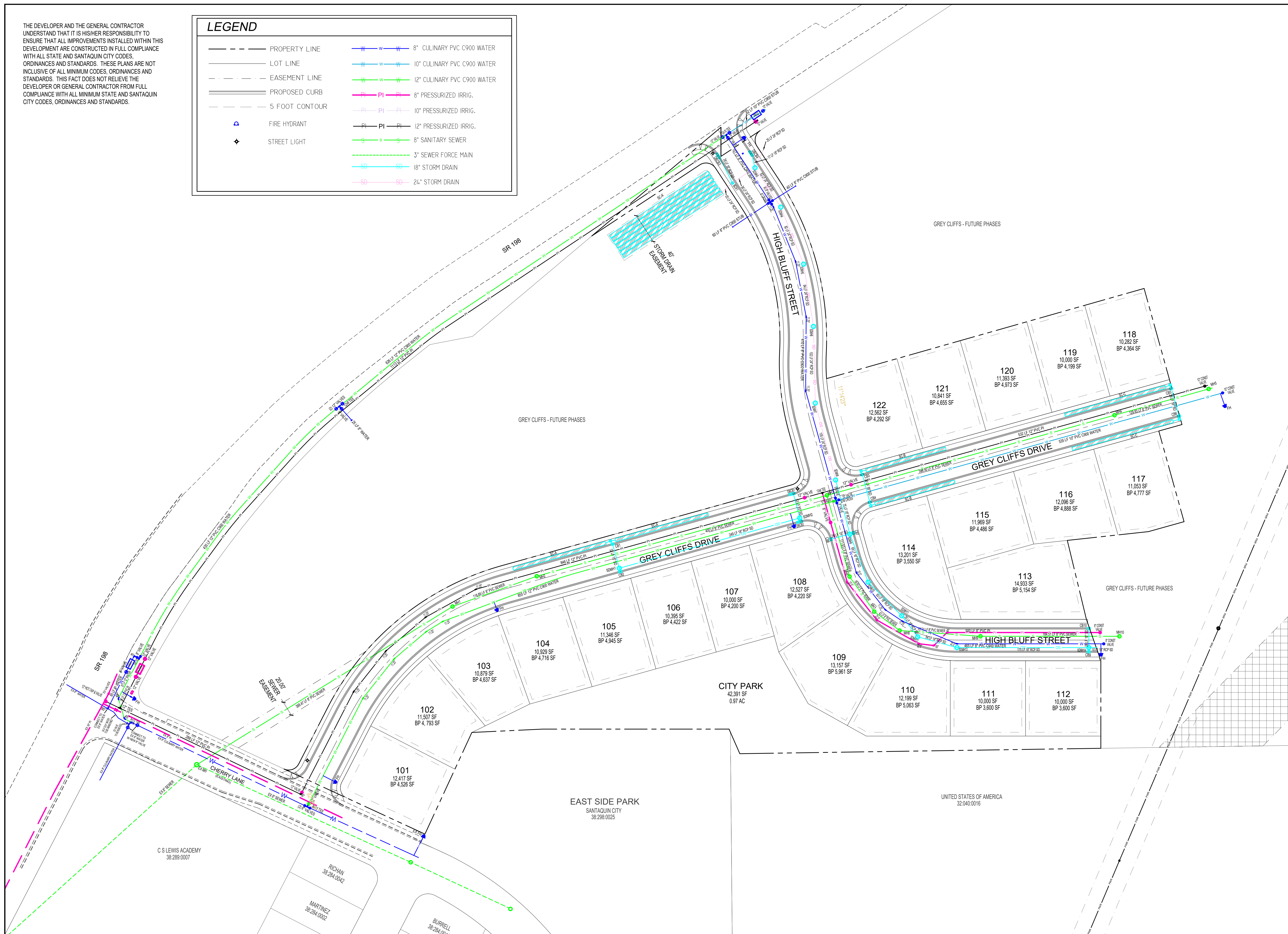
**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
LAYOUT	<b>C1.0</b>



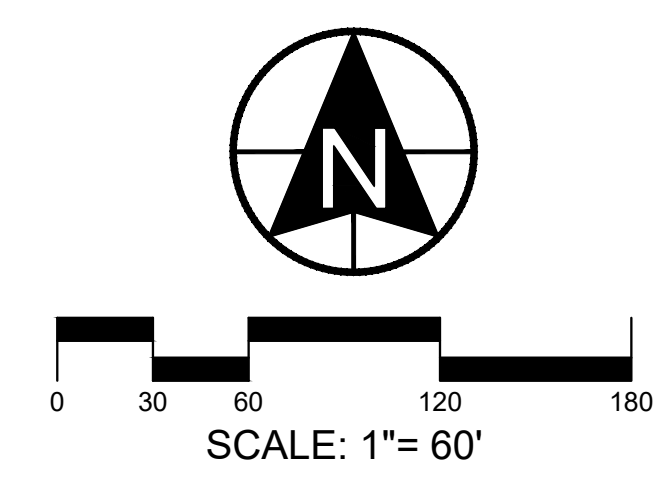
THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

LEGEND			
	PROPERTY LINE		8" CULINARY PVC C900 WATER
	LOT LINE		10" CULINARY PVC C900 WATER
	EASEMENT LINE		12" CULINARY PVC C900 WATER
	PROPOSED CURB		8" PRESSURIZED IRRIG.
	5 FOOT CONTOUR		10" PRESSURIZED IRRIG.
	FIRE HYDRANT		12" PRESSURIZED IRRIG.
	STREET LIGHT		8" SANITARY SEWER
			3" SEWER FORCE MAIN
			18" STORM DRAIN
			24" STORM DRAIN



700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

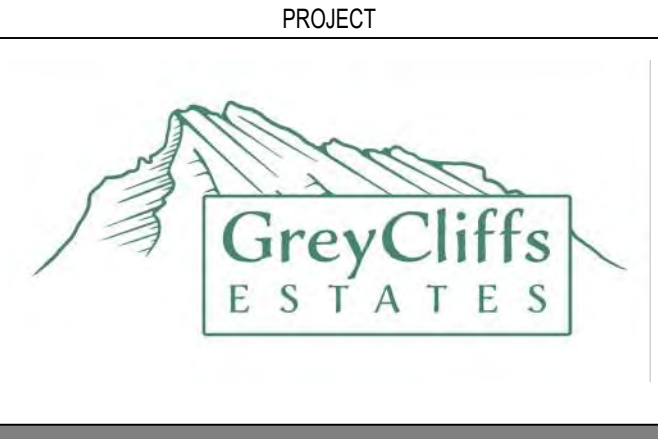
DEVELOPER  
**GREY CLIFFS LLC.**  
935 W. CENTER  
LONDON, UT 84042  
801.785.8458



**BERG**  
CIVIL ENGINEERING  
1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

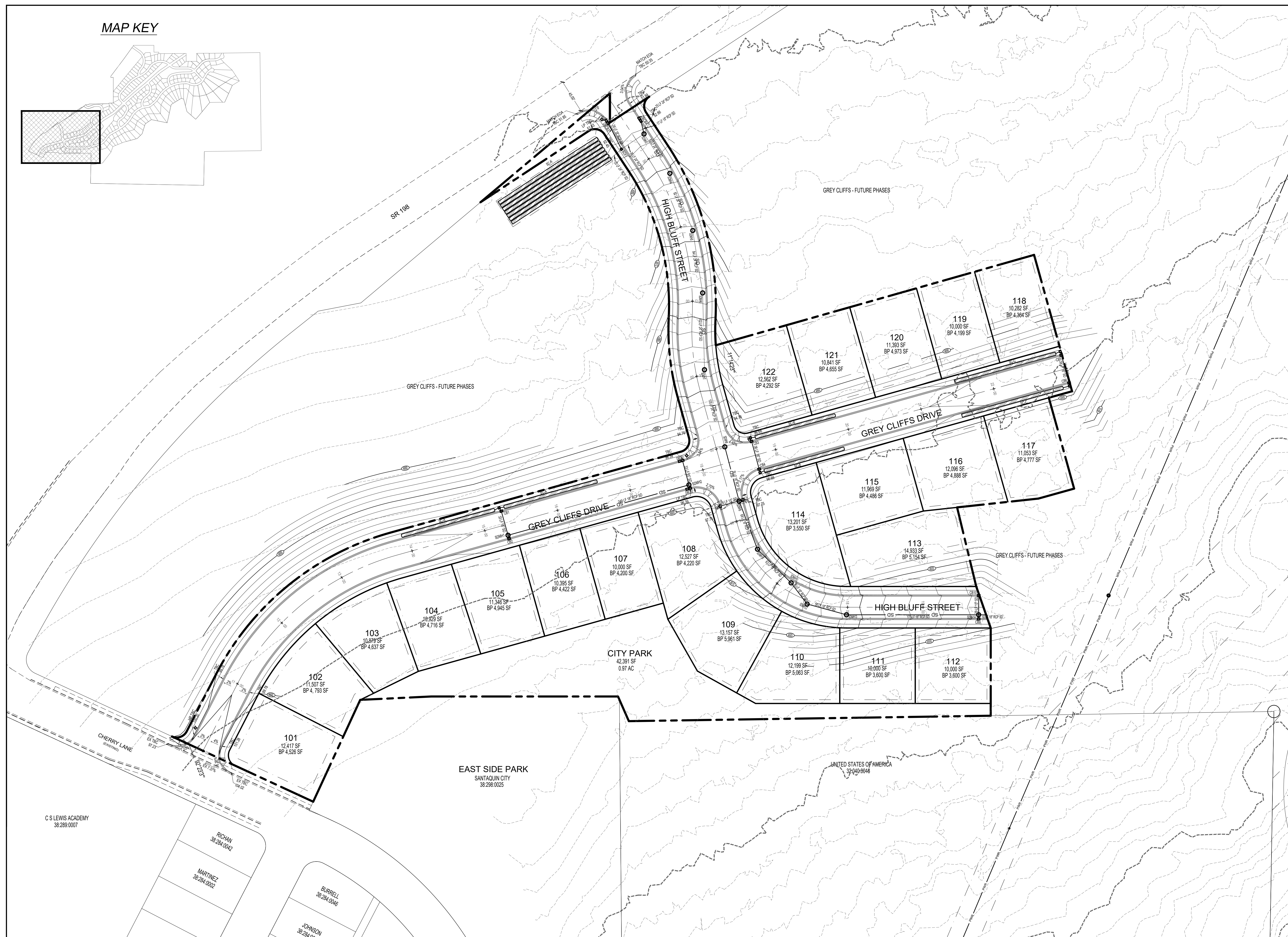
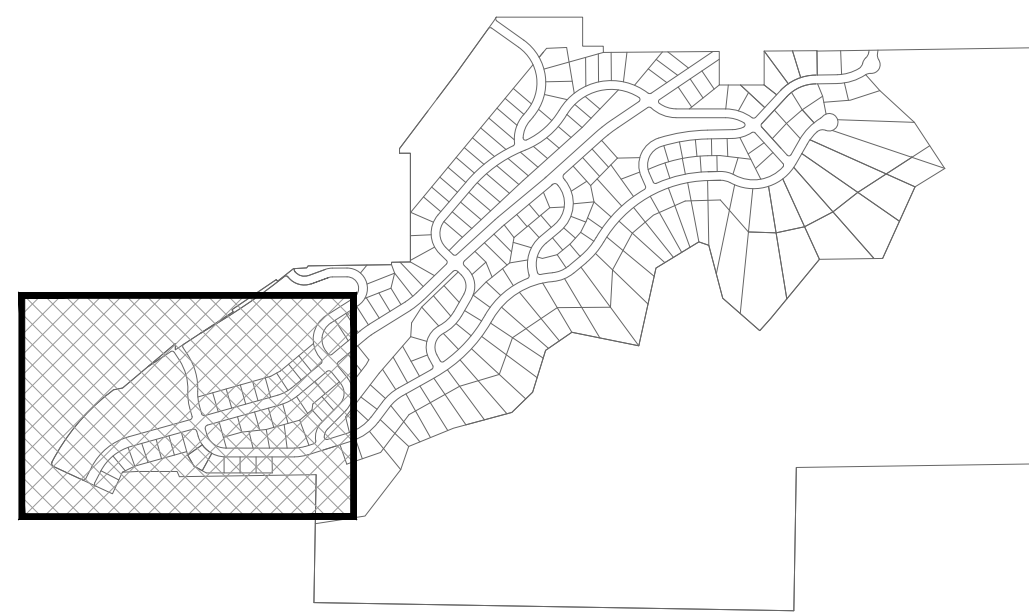
ACTION	DATE
FINAL	10-13-2023



DESCRIPTION  
**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
UTILITY	<b>C2.0</b>

MAP KEY



DEVELOPMENT

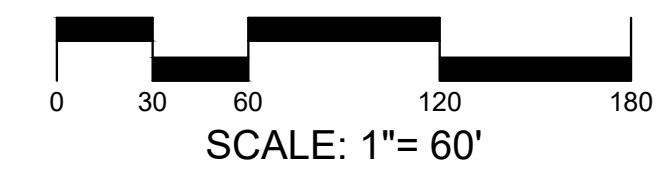
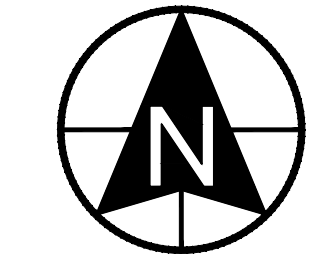


700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458



SCALE: 1"= 60'



1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

ACTION	DATE
FINAL	10-13-2023

PROJECT



DESCRIPTION

**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
GRADING	<b>C3.0</b>

**GREY CLIFFS - SUBAREA A**  
**100-year storm - STORM CHAMBERS IN GREY CLIFF DR**  
 Preliminary Plan



Storm drain calculations were performed using the rational method.

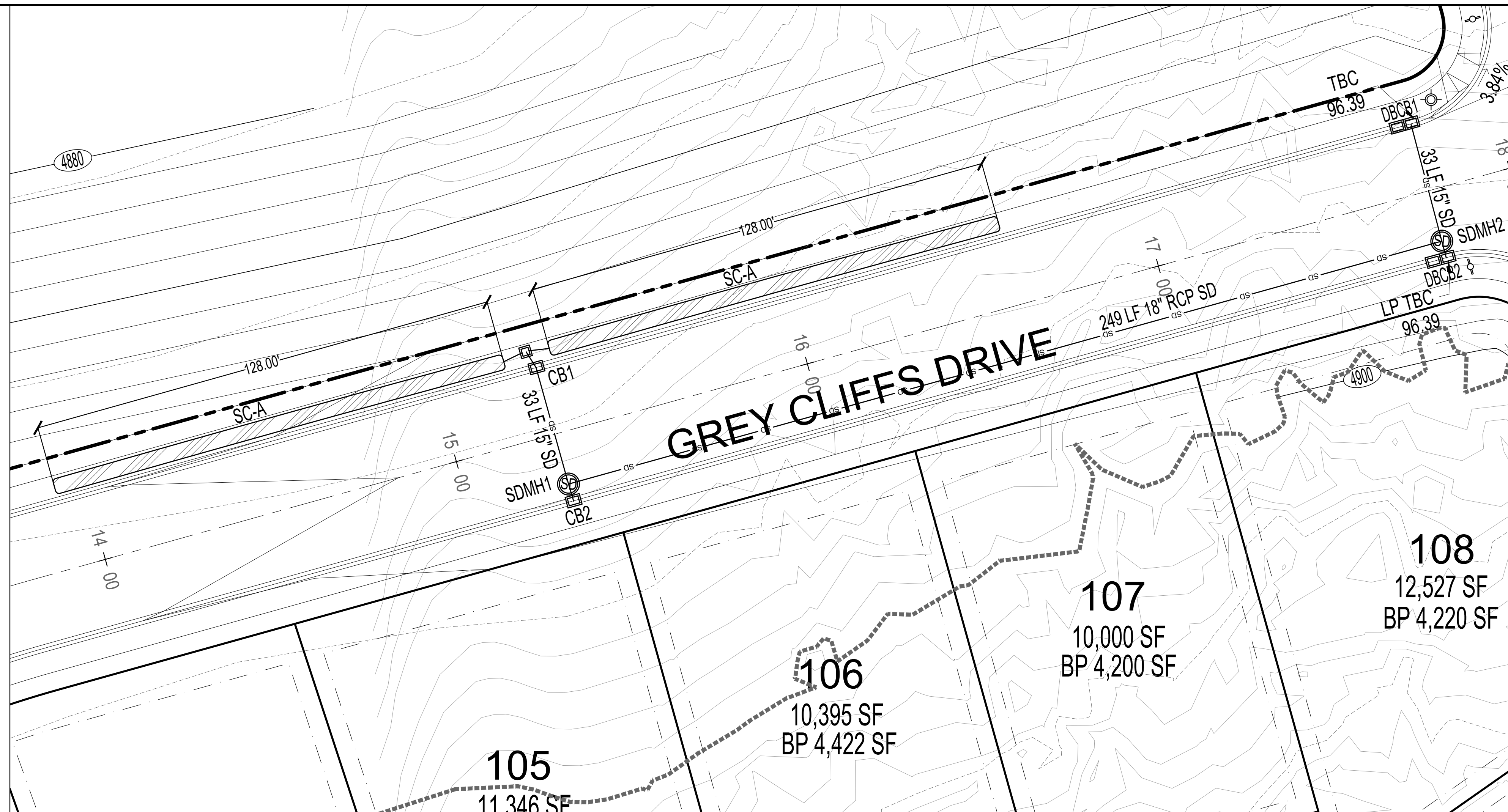
4/22/2022

Hydrologic Calculations CA CALCULATION			
	C	Area (ft <sup>2</sup> )	C * A
Overall			
Residential Lots	0.42	148370	62315
Landscaping / Open Space	0.10	107220	10722
Totals		255590	73037
Contributing Acres:	5.87		
Q <sub>allow</sub>		3.90 cfs	
Perc Rate		60 in/hr	
Gallery Area		2808 sf	
Allow Q		3.90 cfs	

Detention Pond Volume calculations					
Lapsed Time (min.)	Rainfall Intensity (in/hr)	Total Rainfall (in)	Rainfall Volume (ft <sup>3</sup> )	Release Volume (ft <sup>3</sup> )	Required Storage (ft <sup>3</sup> )
A	B	C	D	E	F
5	6.37	0.57	3489	1264	2226
10	4.85	0.81	4920	2340	2580
15	4.00	1.00	6086	3510	2576
30	2.70	1.35	8217	7020	1197
60	1.67	1.67	10164	14040	-3876
120	0.94	1.87	11382	28080	-16698
180	0.64	1.92	11704	42120	-30416
360	0.35	2.09	12709	84240	-71531
1440	0.13	3.02	18405	336960	-318555

Required Pond Volume =	2580 ft <sup>3</sup>	or	0.059 acre-ft
StormTech Chambers (vol/unit) =	75 ft <sup>3</sup>		
# of StormTech Chambers Req'd =	36		
Length of Storage (dual row) =	128 lf		
Perc Area of Storage =	2808 sf		

Notes:  
 A, B, & C are based upon Table 11-12-3-C of the Santaquin City Development Code  
 D = C / (12 inches/foot) x total acreage of site x 43,560 sf/acre x run-off coefficient, where Q=CIA and V=CIA  
 E = an allowable release rate (cfs/acre) x total acreage of site x A x 60 sec.  
 F = D - E to determine storage volume



DEVELOPMENT

700 N SR198  
 SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
 LINDON, UT 84042  
 801.785.8458

1018 N Deer Crest Lane  
 Alpine Ut, 84004  
 office (801) 492-1277  
 cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
STORM CHAMBER A	C3.1

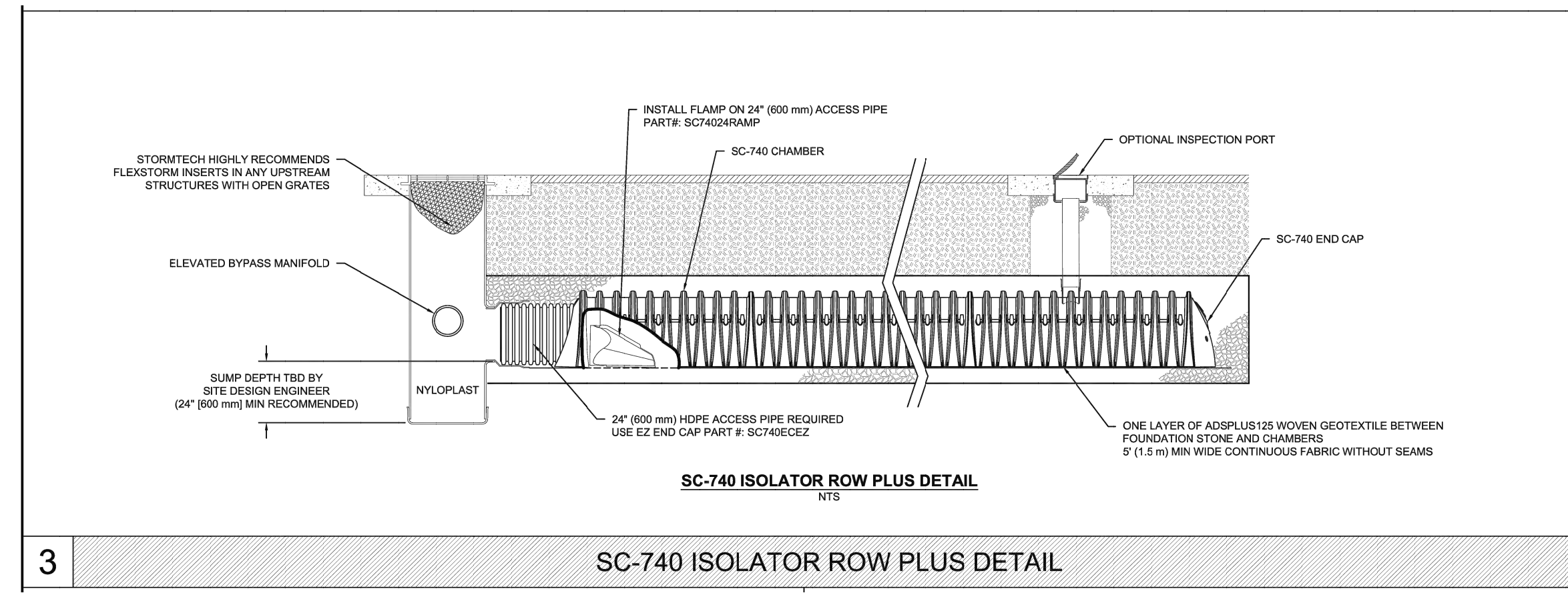
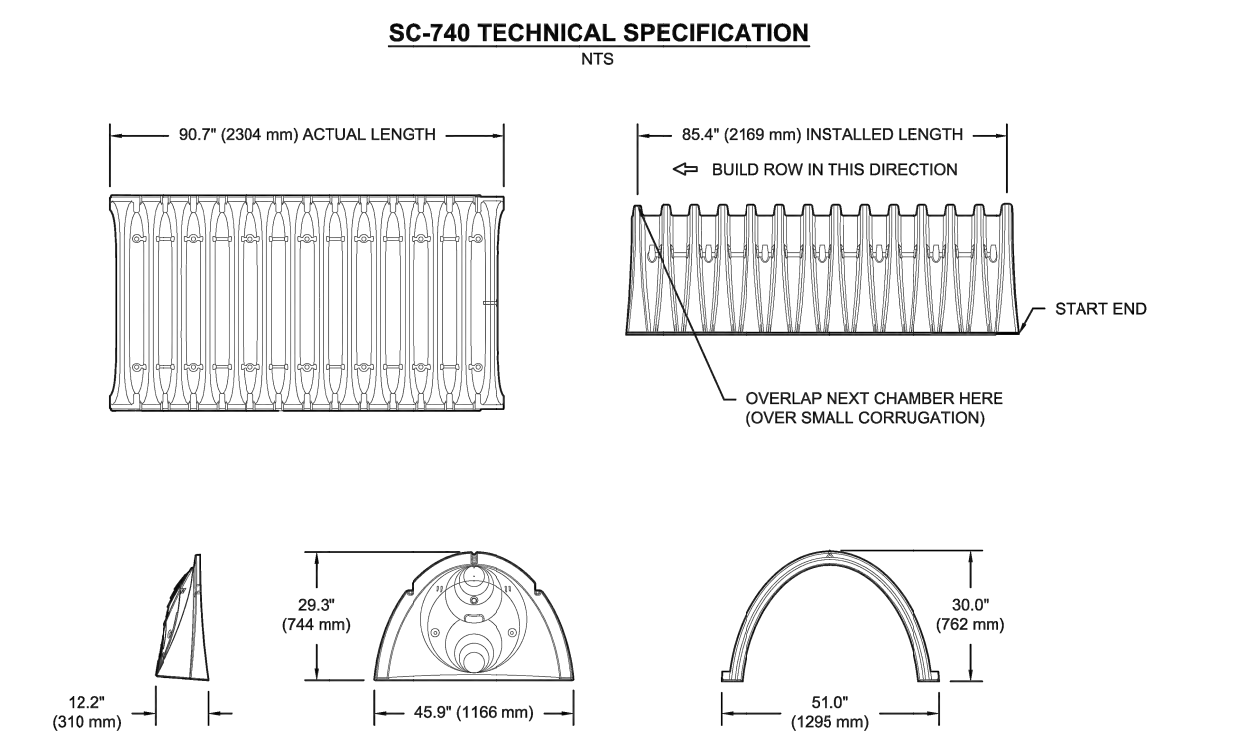
**NOMINAL CHAMBER SPECIFICATIONS**

SIZE (W x H x INSTALLED LENGTH)  
 CHAMBER STORAGE  
 MINIMUM INSTALLED STORAGE\*  
 WEIGHT

51.0" X 30.0" X 85.4" (1295 mm X 762 mm X 2169 mm)  
 45.9 CUBIC FEET (1.30 m<sup>3</sup>)  
 74.9 CUBIC FEET (2.12 m<sup>3</sup>)  
 75.9 lbs

\*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

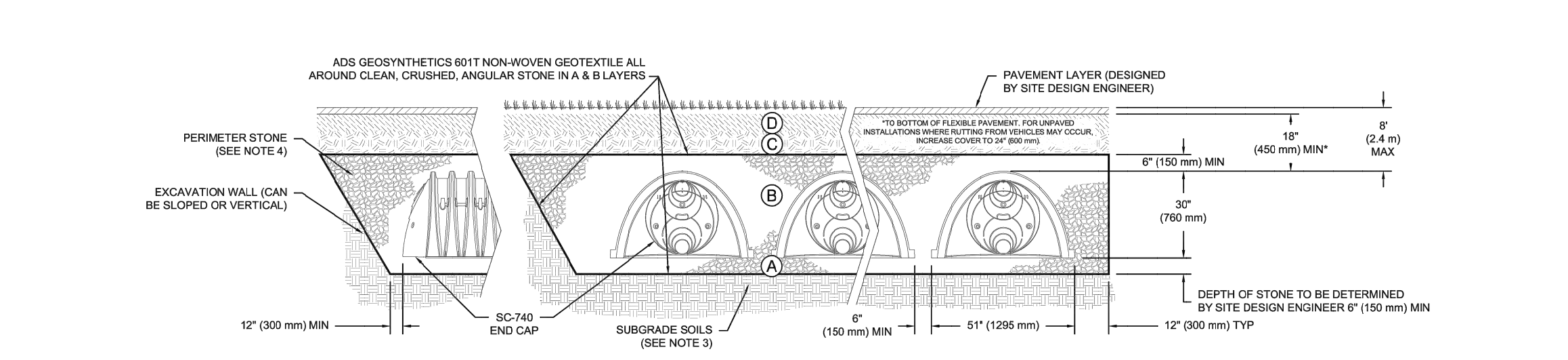
PART #	STUB	A	B	C
SC740EP007 / SC740EP008	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	0.0" (0 mm)
SC740EP008 / SC740EP009	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.0" (0 mm)
SC740EP009 / SC740EP010	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.0" (0 mm)
SC740EP010 / SC740EP011	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	1.2" (30 mm)
SC740EP011 / SC740EP012	14" (350 mm)	16.0" (407 mm)	9.0" (229 mm)	1.2" (30 mm)
SC740EP012 / SC740EP013	16" (400 mm)	17.3" (439 mm)	5.0" (127 mm)	1.6" (41 mm)
SC740EP013 / SC740EP014	18" (450 mm)	18.6" (470 mm)	0.0" (0 mm)	0.1" (3 mm)
SC740EP014 / SC740EP015	24" (600 mm)	18.5" (470 mm)	0.0" (0 mm)	0.0" (0 mm)



**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDED STONE (B LAYER) TO 1" (25 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL-AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.	AASHTO M145 A-1, A-2.4, A-3 OR AASHTO M33 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL-GRADED MATERIAL, AND 90% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M33 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M33 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>1,2</sup>

PLEASE NOTE:  
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M33) STONE".  
 2. STORMTECH COMPACTOR REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.  
 3. WHERE INSTALLATION SURFACES MAY BE COMPROMISED BY COMPACTION FOR STANDARD DESIGN CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT, FOR SPECIAL LOAD DESIGN, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.  
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



- NOTES:**
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
  - SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
  - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
  - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
  - REQUIREMENTS FOR HANDLING AND INSTALLATION:
    - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
    - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
    - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 850 LBS/FT<sup>2</sup>. THE ASC IS DEFINED IN SECTION B.2.8 OF ASTM F2418 AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 SC-740 CROSS SECTION DETAIL

**GREY CLIFFS - SUBAREA B**  
100-year storm - STORM CHAMBERS IN GREY CLIFF DR  
Preliminary Plan



4/22/2022

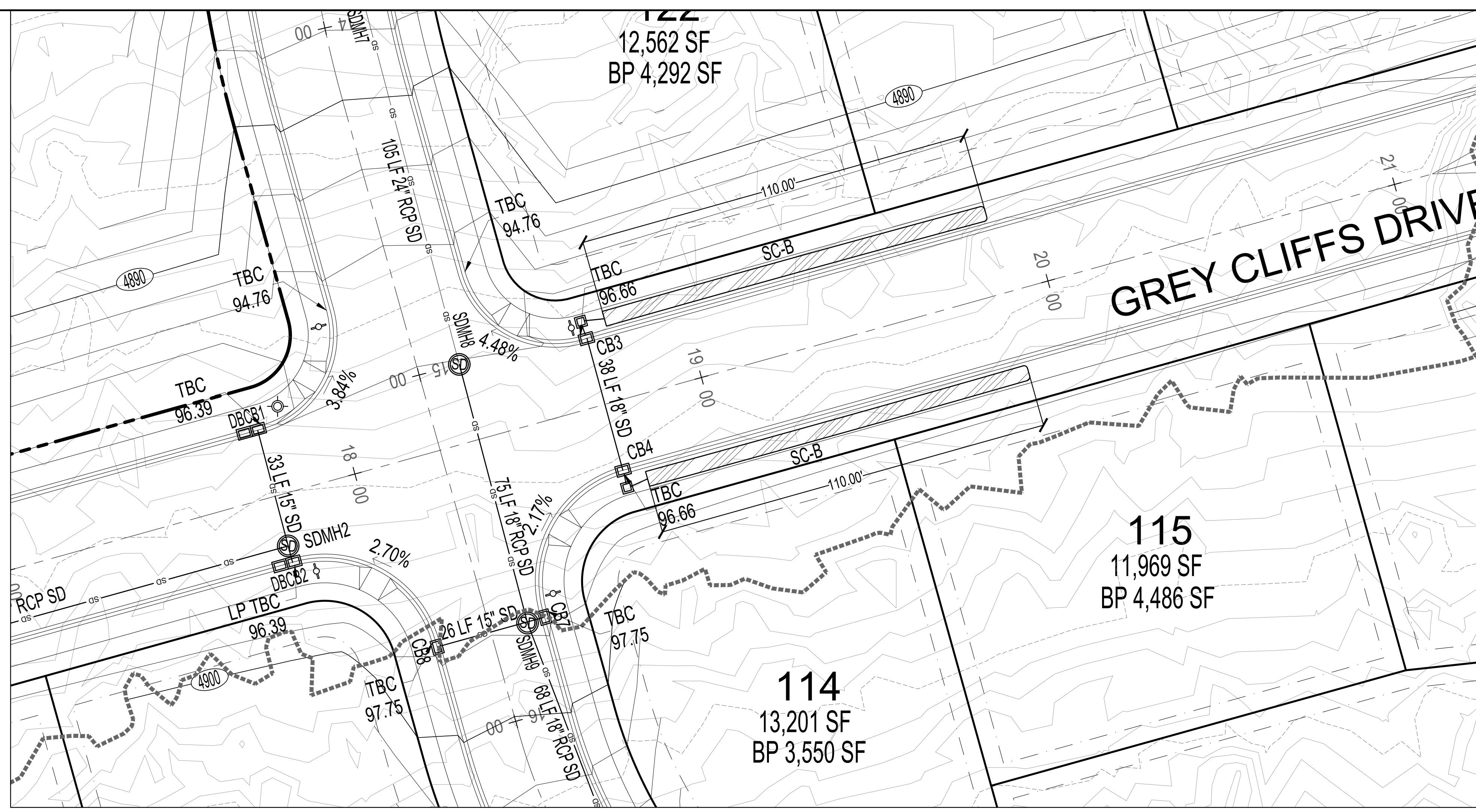
Storm drain calculations were performed using the rational method.

Hydrologic Calculations			
CA CALCULATION			
	C	Area (ft <sup>2</sup> )	C * A
Overall			
Residential Lots	0.42	149275	62696
Landscaping / Open Space	0.10	0	0
Totals		149275	62696
Contributing Acres:	3.43		
Q <sub>allow</sub>		3.36 cfs	
Perc Rate	60	in/hr	
Gallery Area	2418	sf	
Allow Q		3.36	cfs

Detention Pond Volume Calculations					
Lapsed Time (min.)	Rainfall intensity (in/hr)	Total Rainfall (in)	Rainfall Volume (ft <sup>3</sup> )	Release Volume (ft <sup>3</sup> )	Required Storage (ft <sup>3</sup> )
A	B	C	D	E	F
5	6.37	0.57	2995	1088	1907
10	4.85	0.81	4223	2015	2208
15	4.00	1.00	5225	3023	2202
30	2.70	1.35	7053	6045	1008
60	1.67	1.67	8725	12090	-3365
120	0.94	1.87	9770	24180	-14410
180	0.64	1.92	10047	36270	-26223
360	0.35	2.09	10909	72540	-61631
1440	0.13	3.02	15799	290160	-274361

Required Pond Volume =	2208 ft <sup>3</sup>	or	0.051 acre-ft
StormTech Chambers (vol/unit) =	75 ft <sup>3</sup>		
# of StormTech Chambers Req'd =	31		
Length of Storage (dual row) =	110 lf		
Perc Area of Storage =	2418 sf		

Notes:  
A, B, & C are based upon Table 11-12-3-C of the Santaquin City Development Code  
D = C / (12 inches/foot) x total acreage of site x 43,560 sf/acre x run-off coefficient, where Q=CIA and V=CIA  
E = an allowable release rate (cfs/acre) x total acreage of site x A x 60 sec.  
F = D - E to determine storage volume



DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

SCALE: 1" = 20'

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ACTION	DATE
FINAL	10-13-2023

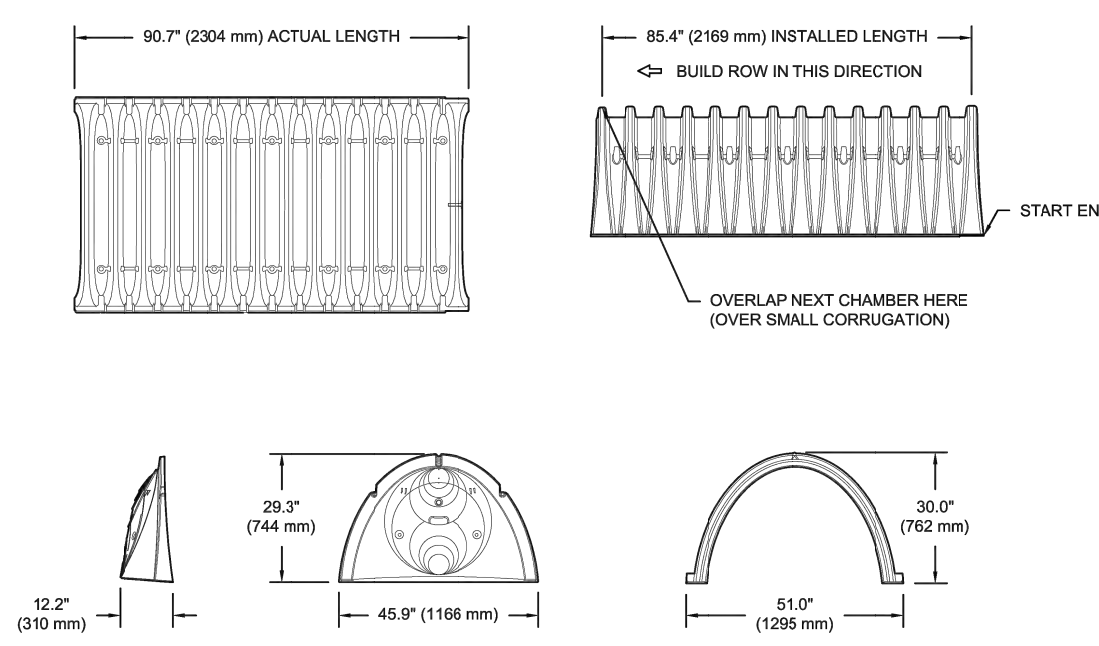
PROJECT

DESCRIPTION

**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
STORM CHAMBER B	C3.2

**SC-740 TECHNICAL SPECIFICATION**



**NOMINAL CHAMBER SPECIFICATIONS**

SIZE (W X H X INSTALLED LENGTH)	CHAMBER STORAGE	MINIMUM INSTALLED STORAGE*	WEIGHT
51.0" X 30.0" X 85.4"	1260 mm X 762 mm X 2169 mm	45.9 CUBIC FEET (1.30 m <sup>3</sup> )	73.0 lbs (33.6 kg)
51.0" X 30.0" X 85.4"	1260 mm X 762 mm X 2169 mm	45.9 CUBIC FEET (1.30 m <sup>3</sup> )	73.0 lbs (33.6 kg)

\*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PART #	STUB	A	B	C
SC740PE061 / SC740PE061PC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740PE068 / SC740PE068PC	8" (200 mm)	12.2" (310 mm)	16.5" (418 mm)	0.5" (13 mm)
SC740PE107 / SC740PE107PC	10" (250 mm)	13.4" (340 mm)	14.9" (380 mm)	0.8" (19 mm)
SC740PE121 / SC740PE121PC	12" (300 mm)	14.7" (373 mm)	12.9" (318 mm)	---
SC740PE127 / SC740PE127PC	12" (300 mm)	14.7" (373 mm)	12.9" (318 mm)	1.2" (30 mm)
SC740PE158 / SC740PE158PC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	1.3" (33 mm)
SC740PE181 / SC740PE181PC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.8" (45 mm)
SC740PE188 / SC740PE188PC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.8" (45 mm)
SC740CEZ2	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "B" PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T" PRE-CORED END CAPS END WITH "PC"

ALL STUBS, EXCEPT FOR THE SC740CEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm) BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

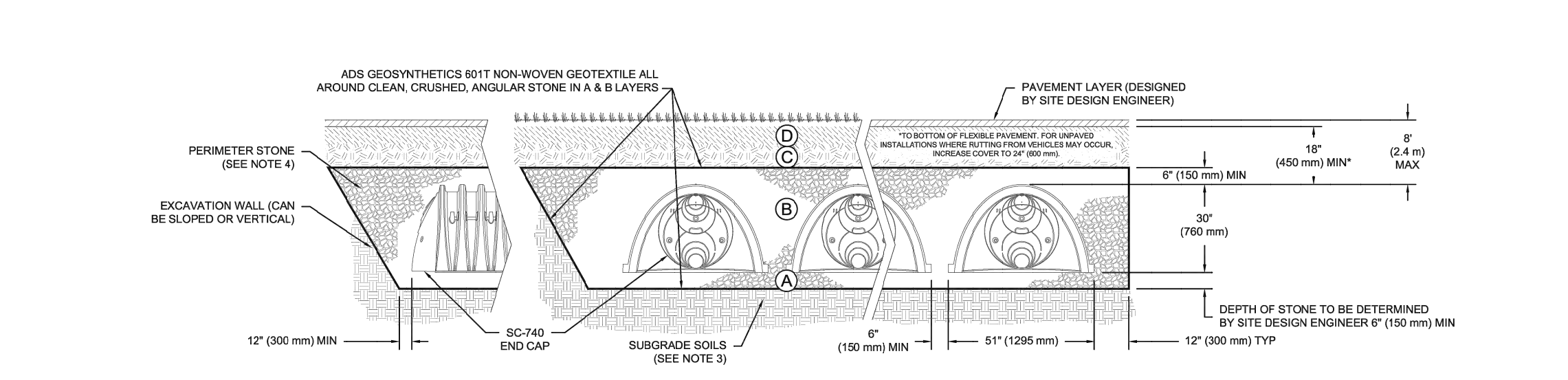
\*FOR THE SC740CEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm) BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (A LAYER) TO 1" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. OR MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M445 <sup>1</sup> A-1, A-2, A-3, A-3 OR AASHTO M43 <sup>2</sup> 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS. BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 22,000 lbs (93 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M33 <sup>2</sup> 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M33 <sup>2</sup> 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>3,4</sup>

PLEASE NOTE:  
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".  
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR A LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERS WITH A VIBRATORY COMPACTOR.  
3. WHERE INSTALLATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAMPING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.  
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



**NOTES:**

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT<sup>2</sup>. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418 AND (B) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 22° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

3 SC-740 ISOLATOR ROW PLUS DETAIL

1 SC-740 CROSS SECTION DETAIL

**GREY CLIFFS - SUBAREA C**

100-year storm - STORM CHAMBERS IN GREY CLIFF DR  
Preliminary Plan

Storm drain calculations were performed using the rational method.



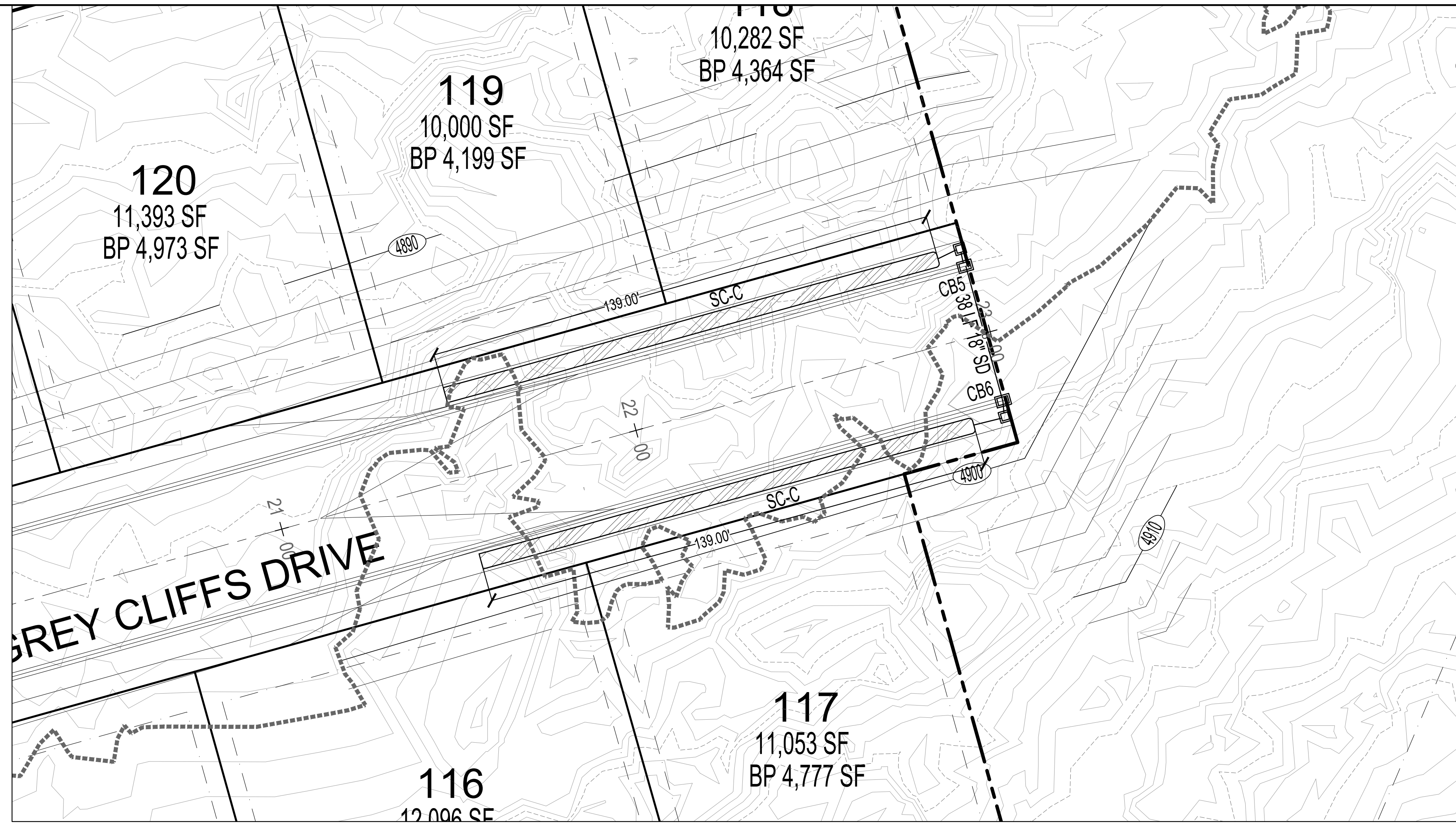
4/22/2022

Hydrologic Calculations CA CALCULATION			
	C	Area (ft <sup>2</sup> )	C * A
Overall Residential Lots	0.42	182863	76802
Landscaping / Open Space	0.10	26602	2660
Totals		209465	79463
Contributing Acres:	4.81		
Q <sub>allow</sub>		4.23 cfs	
Perc Rate		60 in/hr	
Gallery Area		3042 sf	
Allow Q		4.23 cfs	

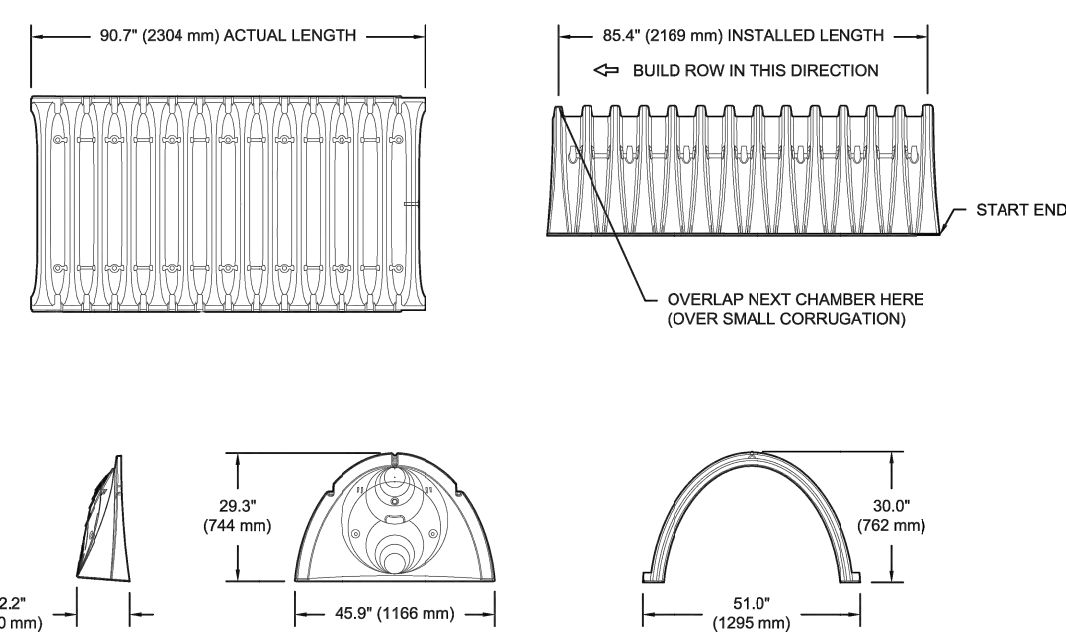
Detention Pond Volume calculations					
Lapsed Time (min.)	Rainfall intensity (in/hr)	Total Rainfall (in)	Rainfall Volume (ft <sup>3</sup> )	Release Volume (ft <sup>3</sup> )	Required Storage (ft <sup>3</sup> )
A	B	C	D	E	F
5	6.37	0.57	3796	1369	2427
10	4.85	0.81	5353	2535	2818
15	4.00	1.00	6622	3803	2819
30	2.70	1.35	8940	7605	1335
60	1.67	1.67	11059	15210	-4151
120	0.94	1.87	12383	30420	-18037
180	0.64	1.92	12734	45630	-32896
360	0.35	2.09	13827	91260	-77433
1440	0.13	3.02	20025	365040	-345015

Required Pond Volume =	2819 ft <sup>3</sup>	or	0.065 acre-ft
StormTech Chambers (vol/unit) =	75 ft <sup>3</sup>		
# of StormTech Chambers Req'd =	39		
Length of Storage (dual row) =	139 lf		
Perc Area of Storage =	3042 sf		

Notes:  
A, B, & C are based upon Table 11-12-3-C of the Santaquin City Development Code  
D = C / (12 inches/foot) x total acreage of site x 43,560 sf/acre x run-off coefficient, where Q=CIA and V=CIA  
E = an allowable release rate ( cfs/acre) x total acreage of site x A x 60 sec.  
F = D - E to determine storage volume



**SC-740 TECHNICAL SPECIFICATION**



NOMINAL CHAMBER SPECIFICATIONS	51.0\"/>
SIZE (W x L x INSTALLED LENGTH)	(1295 mm x 762 mm x 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET (1,300 m <sup>3</sup> )
MINIMUM INSTALLED STORAGE*	78.9 CUBIC FEET (2,212 m <sup>3</sup> )
WEIGHT	75.0 lbs. (33.6 kg)

PART #	STUB	A	B	C
SC740EP007 / SC740EP007PC	6\"/>			
SC740EP008 / SC740EP008PC	8\"/>			
SC740EP009 / SC740EP009PC	10\"/>			
SC740EP107 / SC740EP107PC	10\"/>			
SC740EP108 / SC740EP108PC	12\"/>			
SC740EP109 / SC740EP109PC	12\"/>			
SC740EP110 / SC740EP110PC	12\"/>			
SC740EP111 / SC740EP111PC	12\"/>			
SC740EP112 / SC740EP112PC	12\"/>			
SC740EP113 / SC740EP113PC	12\"/>			
SC740EP114 / SC740EP114PC	12\"/>			
SC740EP115 / SC740EP115PC	12\"/>			
SC740EP116 / SC740EP116PC	12\"/>			
SC740EP117 / SC740EP117PC	12\"/>			
SC740EP118 / SC740EP118PC	12\"/>			
SC740EP119 / SC740EP119PC	12\"/>			
SC740EP120 / SC740EP120PC	12\"/>			

ALL STUBS, EXCEPT FOR THE SC740E22C ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-3944.  
\* FOR THE SC740E22C THE 24\"/>

NOTE: ALL DIMENSIONS ARE NOMINAL

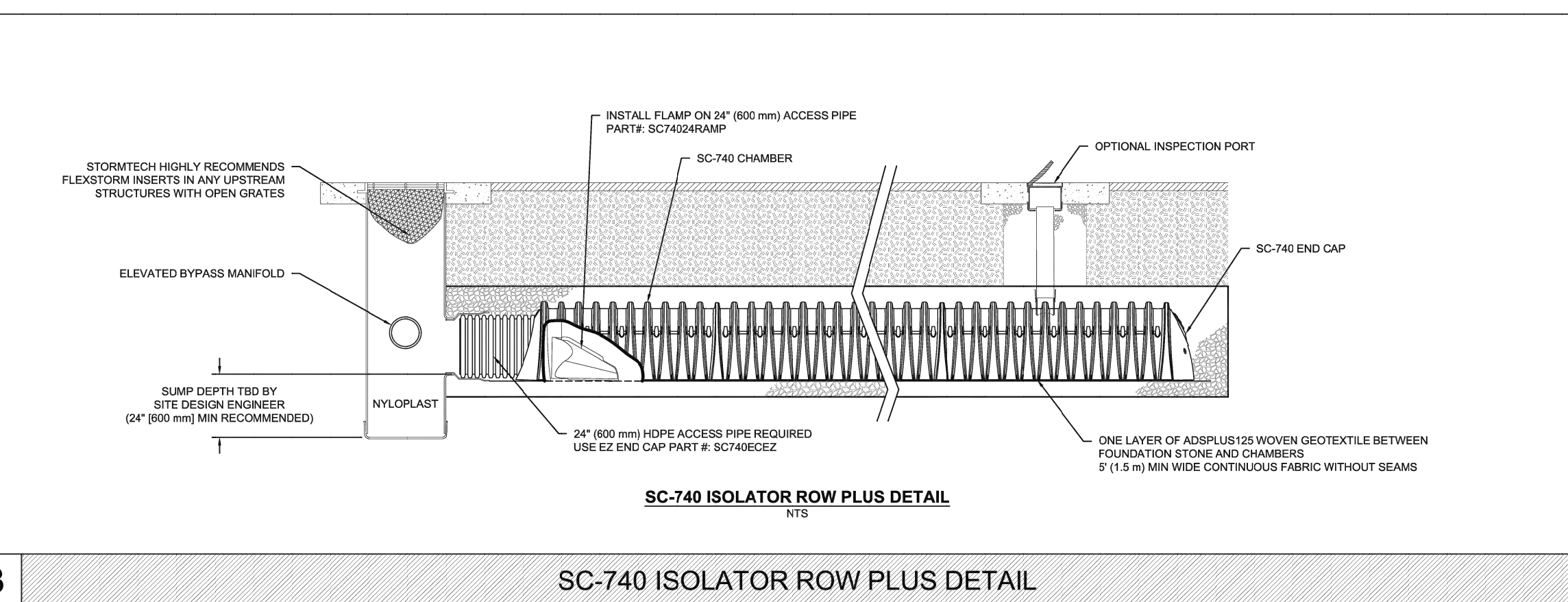
**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('F' LAYER) TO 18\"/>	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M44 <sup>1</sup> A-1, A-2, A-3 OR AASHTO M43 <sup>1</sup> 3, 3S7, 4, 4F1, 5, 5E, 5F, 6, 6F, 6H, 7, 7B, 8, 8H, 9, 10	BEGIN COMPACTIONS AFTER 12\"/>
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 <sup>1</sup> 3, 3S7, 4, 4F1, 5, 5E, 5F	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 <sup>1</sup> 3, 3S7, 4, 4F1, 5, 5E, 5F	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2,3</sup>

PLEASE NOTE:  
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".  
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR ALL LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6\"/>



- NOTES:**
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
  - SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2197 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
  - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
  - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
  - REQUIREMENTS FOR HANDLING AND INSTALLATION:
    - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
    - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
    - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LB/FT<sup>2</sup>. THE ASIC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 72° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

SCALE: 1" = 20'

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
STORM CHAMBER C	C3.3



**GREY CLIFFS - SUBAREA K**  
**100-year storm - STORM CHAMBERS ALONG SR-198**  
 Preliminary Plan



Storm drain calculations were performed using the rational method.

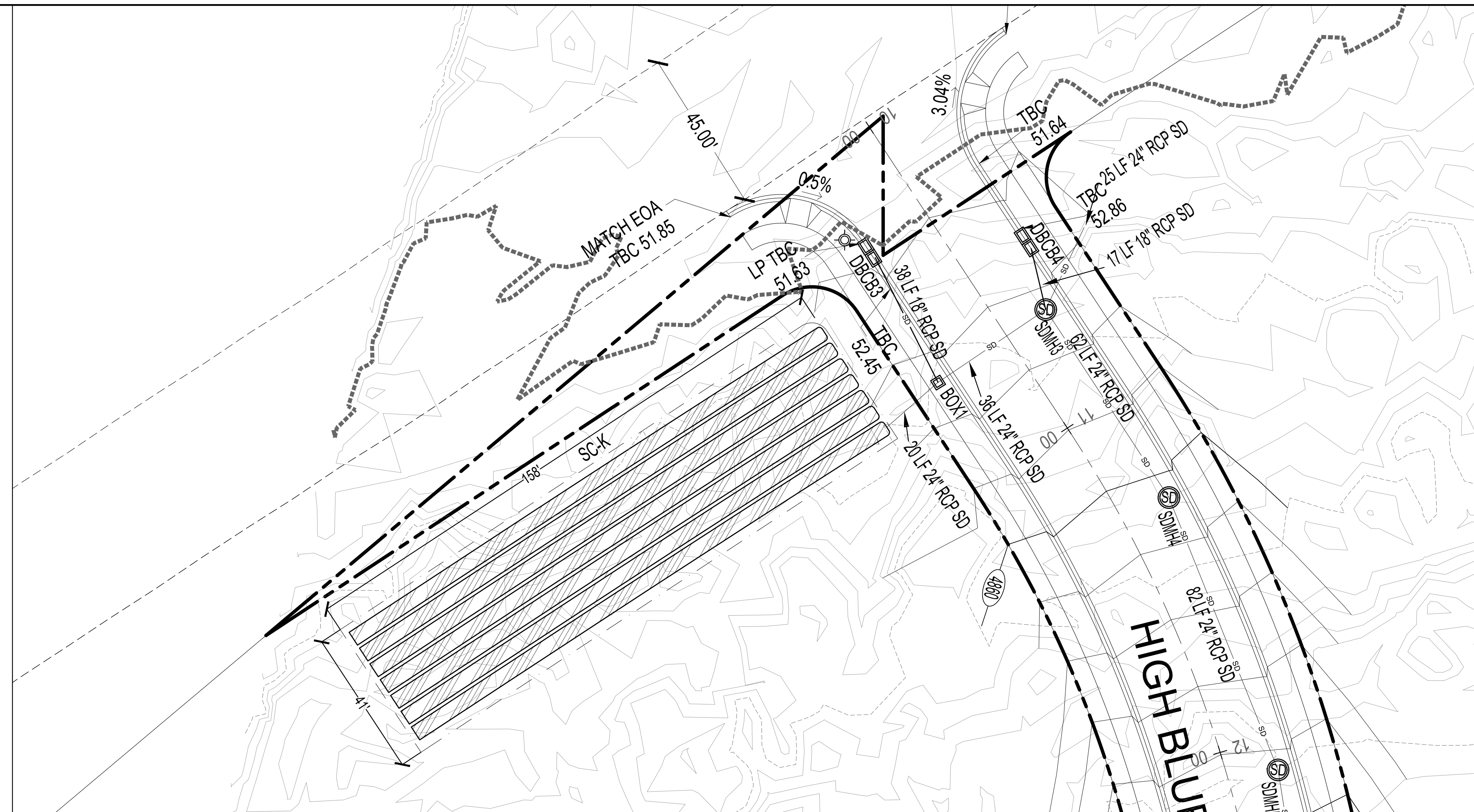
4/22/2022

Hydrologic Calculations			
CA CALCULATION			
	C	Area (ft <sup>2</sup> )	C * A
Overall			
Commercial Area	0.65	304033	197621
Residential Lots	0.42	0	0
Landscaping / Open Space	0.10	0	0
Totals		304033	197621
Contributing Acres:	6.98		
Q <sub>allow</sub>		10.35 cfs	
Perc Rate		60 in/hr	
Gallery Area		7449 sf	
Allow Q		10.35 cfs	

Detention Pond Volume calculations					
Lapsed Time (min.)	Rainfall intensity (in/hr)	Total Rainfall (in)	Rainfall Volume (ft <sup>3</sup> )	Release Volume (ft <sup>3</sup> )	Required Storage (ft <sup>3</sup> )
A	B	C	D	E	F
5	6.37	0.57	9441	3352	6089
10	4.85	0.81	13312	6208	7105
15	4.00	1.00	16488	9311	7157
30	2.70	1.35	22232	18623	3610
60	1.67	1.67	27502	37245	-9743
120	0.94	1.87	30796	74490	-43694
180	0.64	1.92	31669	111735	-80066
360	0.35	2.09	34386	223470	-189084
1440	0.13	3.02	49801	893880	-844709

Required Pond Volume =	7157 ft <sup>3</sup>	or	0.164 acre-ft
StormTech Chambers (vol/unit) =	75 ft <sup>3</sup>		
# of StormTech Chambers Req'd =	96		
Length of Storage (per row) =	136 lf	# rows	5
Perc Area of Storage =	7449 sf		

**Notes:**  
 A, B, & C are based upon Table 11-2-3-C of the Santaquin City Development Code  
 D = C / (12 inches/foot) x total acreage of site x 43,560 sf/acre x run-off coefficient, where Q=CIA and V=CIA  
 E = an allowable release rate (cfs/acre) x total acreage of site x 60 sec.  
 F = D - E to determine storage volume



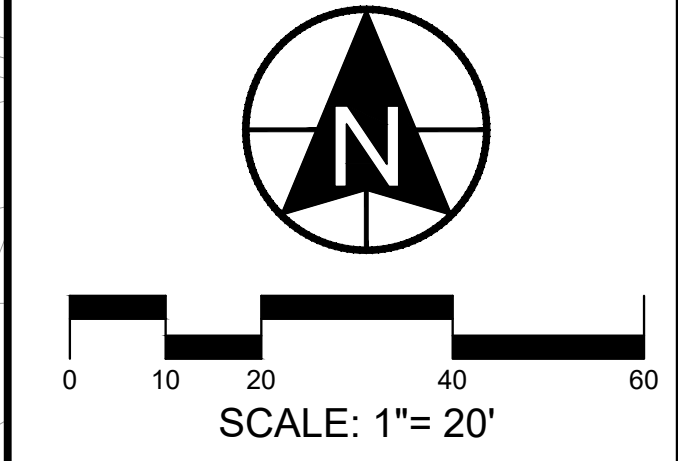
DEVELOPMENT

700 N SR198  
 SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
 LINDON, UT 84042  
 801.785.8458



1018 N Deer Crest Lane  
 Alpine UT, 84004  
 office (801) 492-1277  
 cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

ACTION	DATE
FINAL	10-13-2023

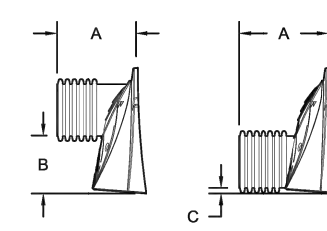
PROJECT

DESCRIPTION

**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
STORM CHAMBER K	C3.3

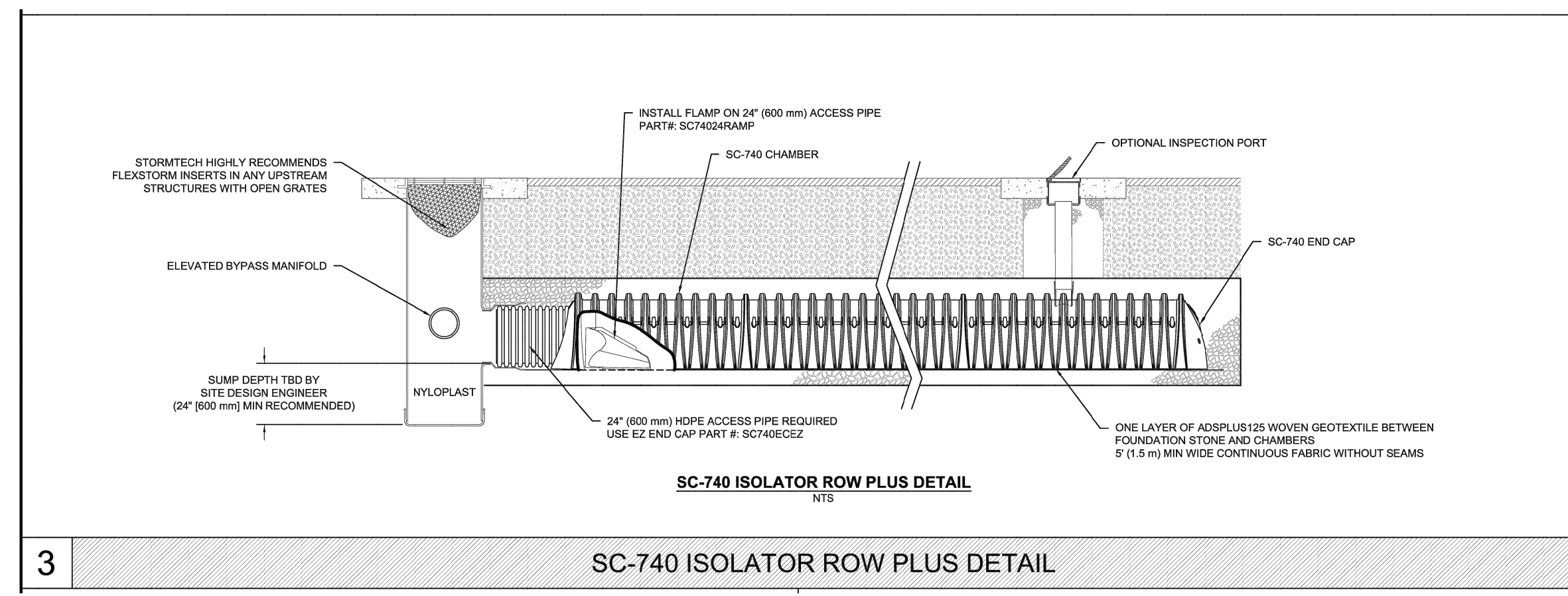
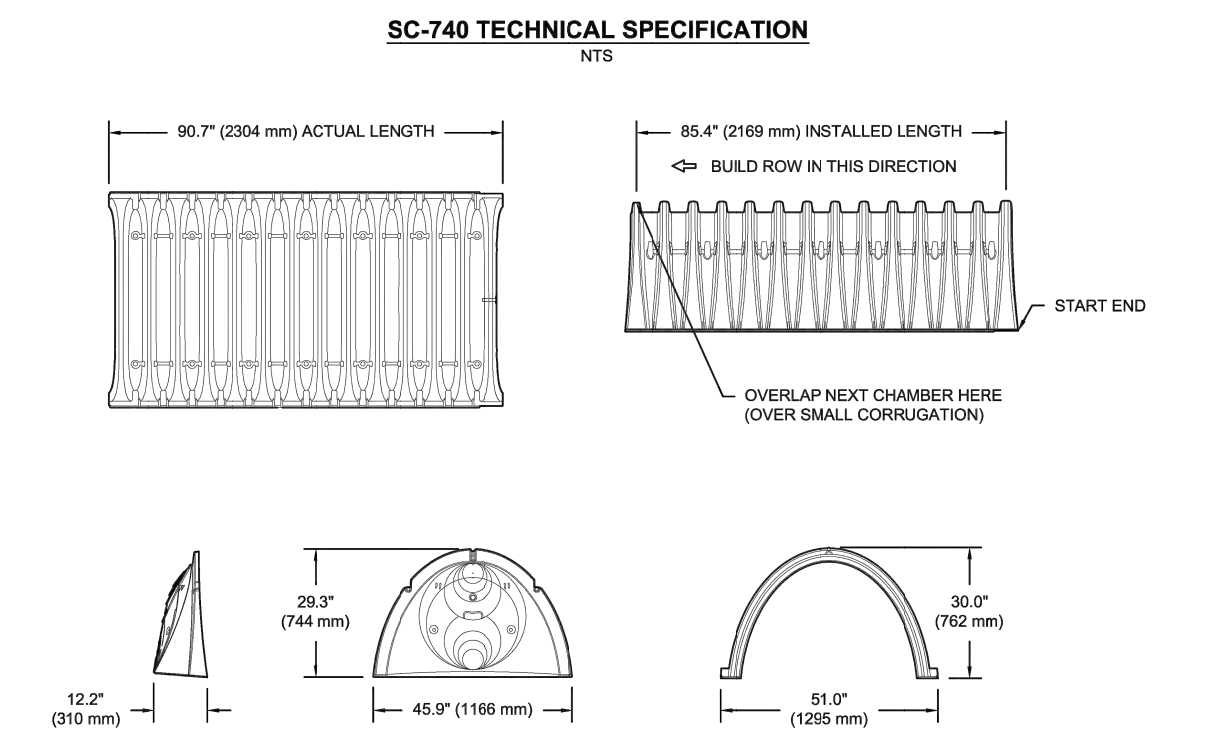
**NOMINAL CHAMBER SPECIFICATIONS**  
 SIZE (W X H X INSTALLED LENGTH) 51.0" X 30.0" X 85.4" (1295 mm X 762 mm X 2169 mm)  
 CHAMBER STORAGE 45.9 CUBIC FEET (1,300 m<sup>3</sup>)  
 MINIMUM INSTALLED LENGTH\* 74.9 CUBIC FEET (2,12 m<sup>3</sup>)  
 WEIGHT 75.0 lbs. (33.6 kg)



\*ASSUMES 0" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PART #	STUB	A	B	C
SC740PE01T / SC740PE01PC	8" (190 mm)	10.9" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740PE08T / SC740PE08PC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.9" (23 mm)
SC740PE10T / SC740PE10PC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740PE12T / SC740PE12PC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	1.2" (30 mm)
SC740PE15T / SC740PE15PC	15" (375 mm)	16.4" (467 mm)	9.0" (229 mm)	1.3" (33 mm)
SC740PE18T / SC740PE18PC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.9" (47 mm)
SC740PE24T / SC740PE24PC	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

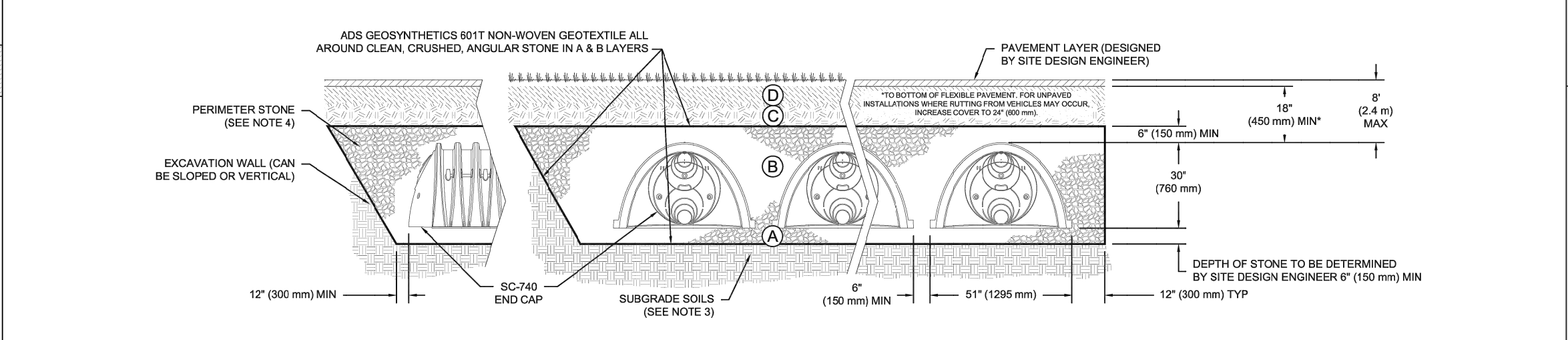
ALL STUBS, EXCEPT FOR THE SC740CEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.  
 \* FOR THE SC740CEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.  
 NOTE: ALL DIMENSIONS ARE NOMINAL



**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

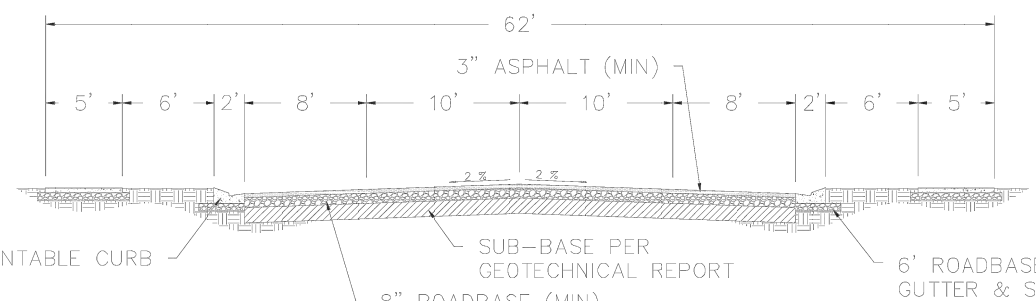
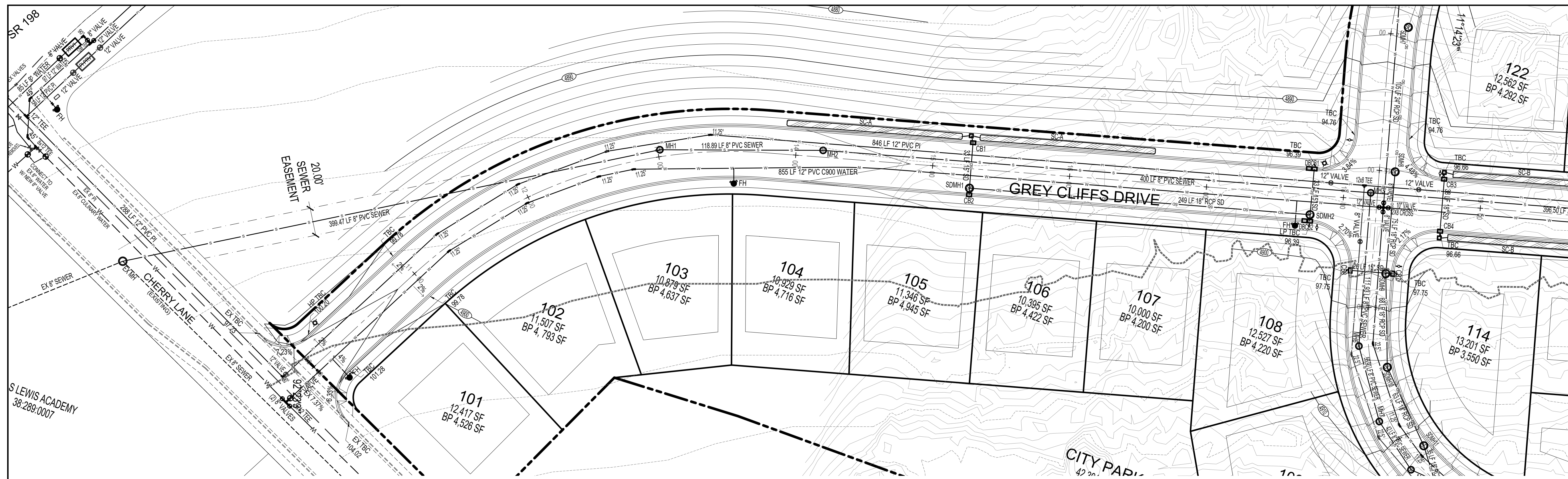
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A  PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE SUBGRADE TO THE TOP OF THE 'C' LAYER. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR MOST PAVEMENT SUBGRADE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 A-1, A-2-4, A-3 OR AASHTO M43 3, 3S7, 4, 4F7, 5, 5S, 5T, 6, 6S, 6T, 7, 7S, 8, 8S, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 98% PROCTOR DENSITY FOR WELL-GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER-CROSS FORCE NOT TO EXCEED 12,000 lb (53 kN) DYNAMIC FORCE NOT TO EXCEED 20,000 lb (89 kN)
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 3S7, 4, 4F7, 5, 5S, 5T	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 3S7, 4, 4F7, 5, 5S, 5T	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>1,2</sup>

PLEASE NOTE:  
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."  
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FALL COVERAGES WITH A VIBRATORY COMPACTOR.  
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.  
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBGRADE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



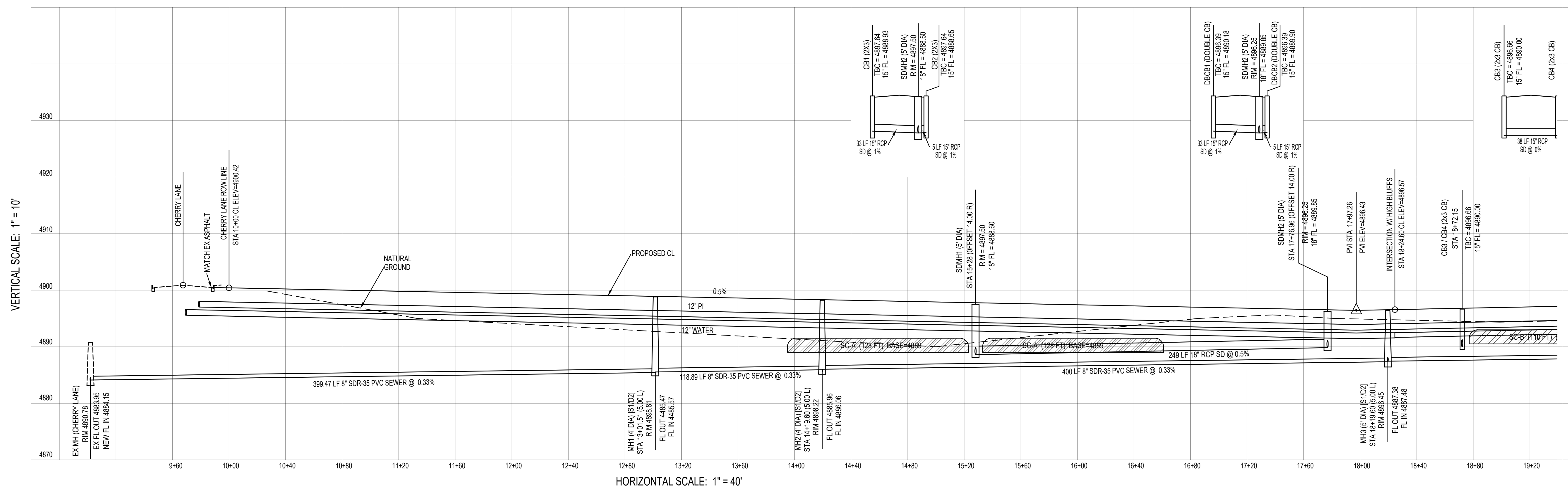
**NOTES:**  
 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".  
 2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".  
 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.  
 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.  
 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:  
 • TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.  
 • TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".  
 • TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT<sup>2</sup>. THE ASC IS DEFINED IN SECTION 6.2.4 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 SC-740 CROSS SECTION DETAIL



- NOTES:
1. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY REQUIRE THE ADDITION OF RIGHT TURN LANES AT INTERSECTIONS.
  2. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY MODIFY THIS SECTION FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%.

2-LANE/PARKING BOTH SIDES  
62' MAJOR LOCAL  
GREY CLIFFS DR



DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LONDON, UT 84042  
801.785.8458

SCALE: 1" = 40'

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office (801) 492-1277  
cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

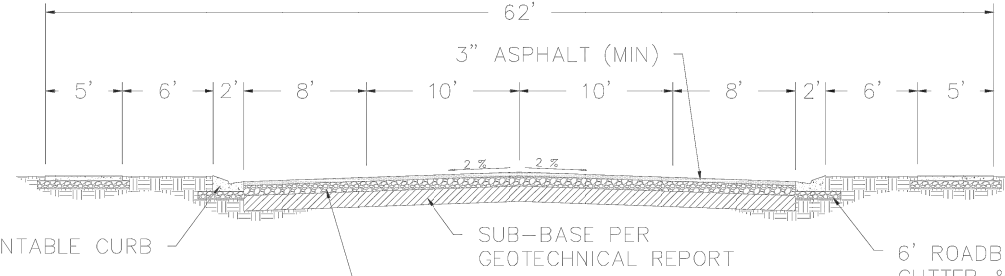
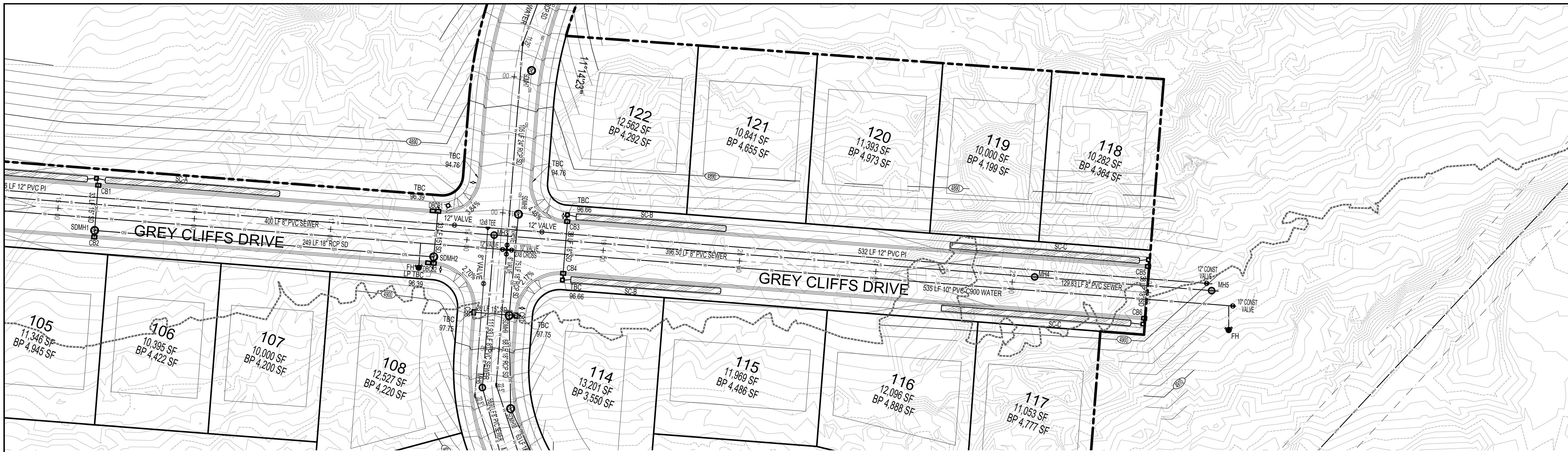
ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

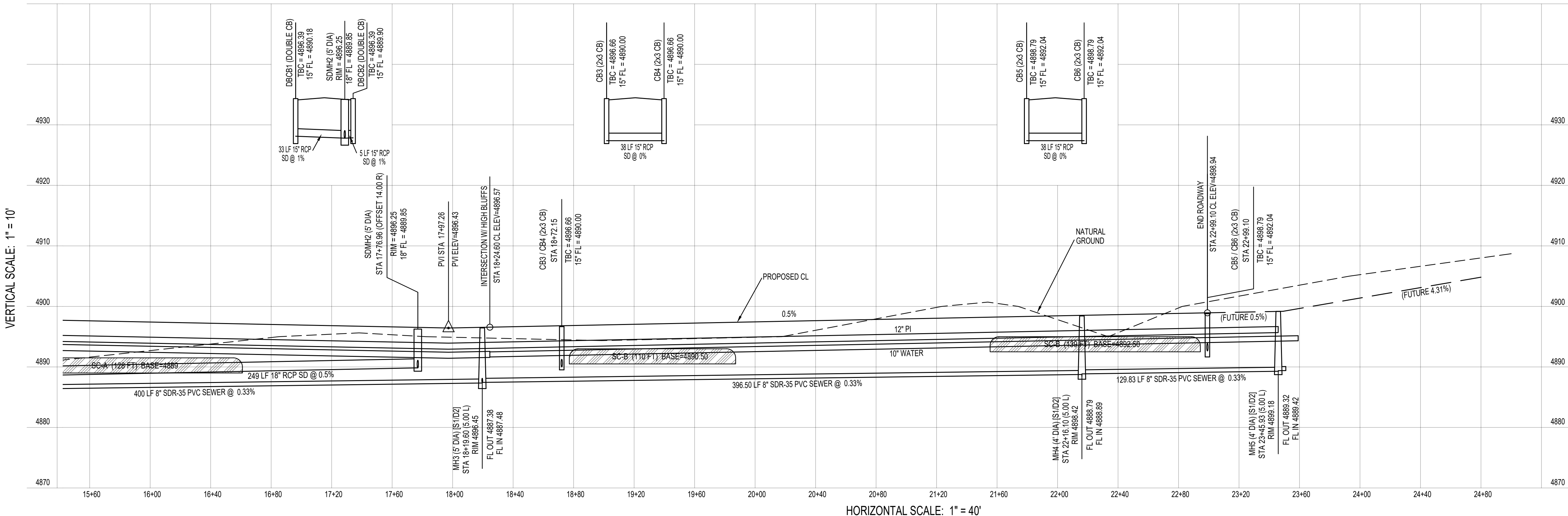
**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
GREY CLIFFS DR	<b>C4.1</b>



NOTES:  
 1. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY REQUIRE THE ADDITION OF RIGHT TURN LANES AT INTERSECTIONS.  
 2. THE DEVELOPMENT REVIEW COMMITTEE (DRC) MAY MODIFY THIS SECTION FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%.

2-LANE/PARKING BOTH SIDES  
 62' MAJOR LOCAL  
 GREY CLIFFS DR



DEVELOPMENT

700 N SR198  
 SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
 LONDON, UT 84042  
 801.785.8458

SCALE: 1" = 40'

BERG CIVIL ENGINEERING  
 1018 N Deer Crest Lane  
 Alpine, UT, 84004  
 office: (801) 492-1277  
 cell: (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

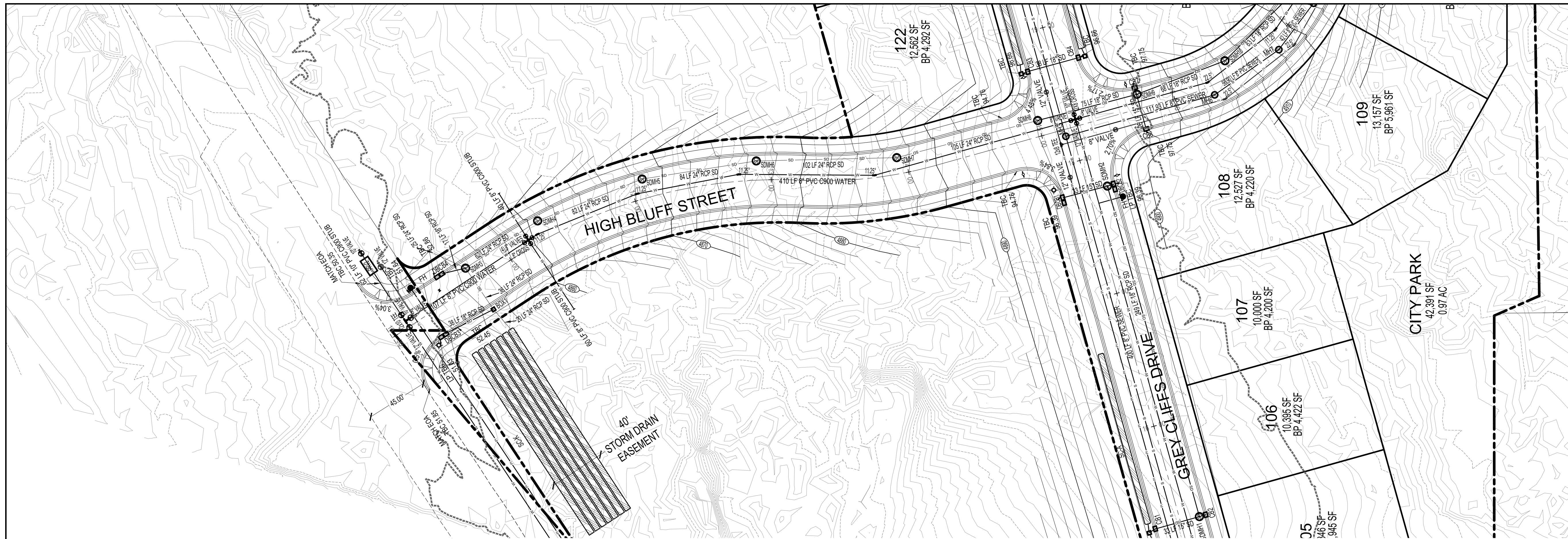
ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

**FINAL PLAT "A"  
 CONSTRUCTION  
 DRAWINGS**

SHEET NAME	SHEET NUMBER
GREY CLIFFS DR	<b>C4.2</b>



DEVELOPMENT

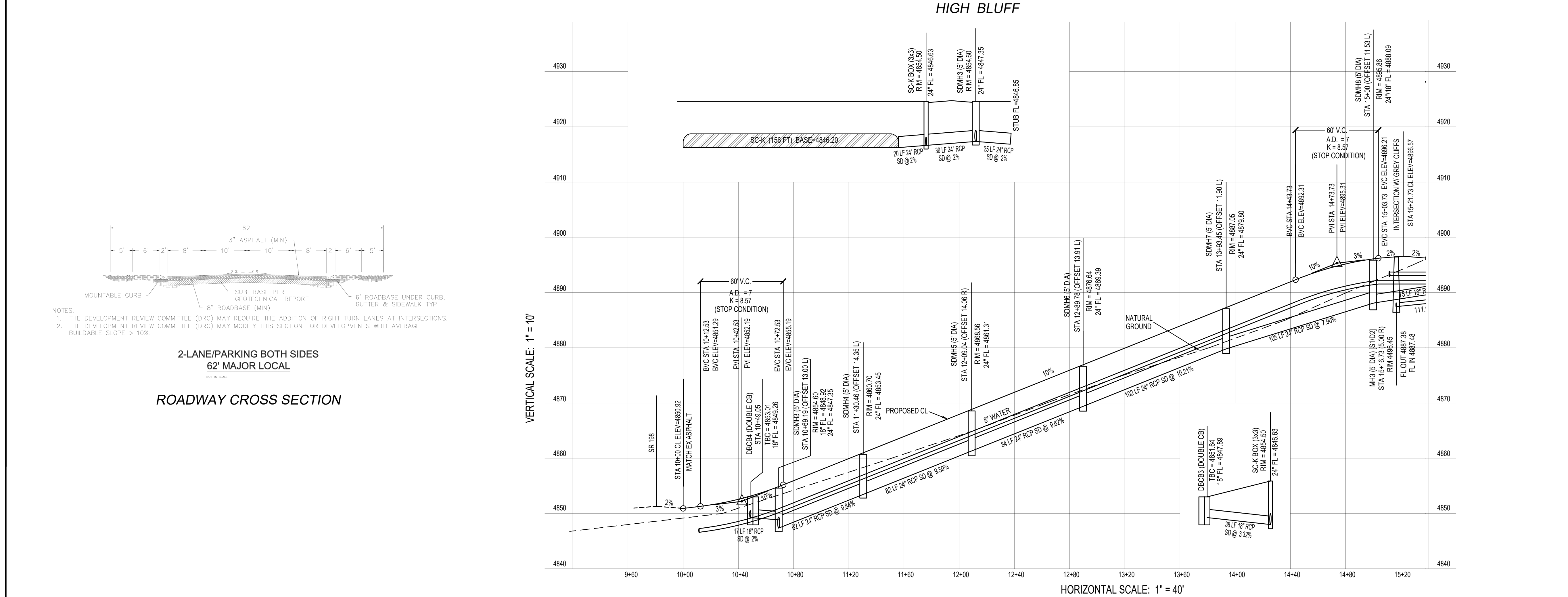
700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

SCALE: 1" = 40'



1018 N Deer Crest Lane  
Alpine, UT, 84004  
office (801) 492-1277  
cell (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

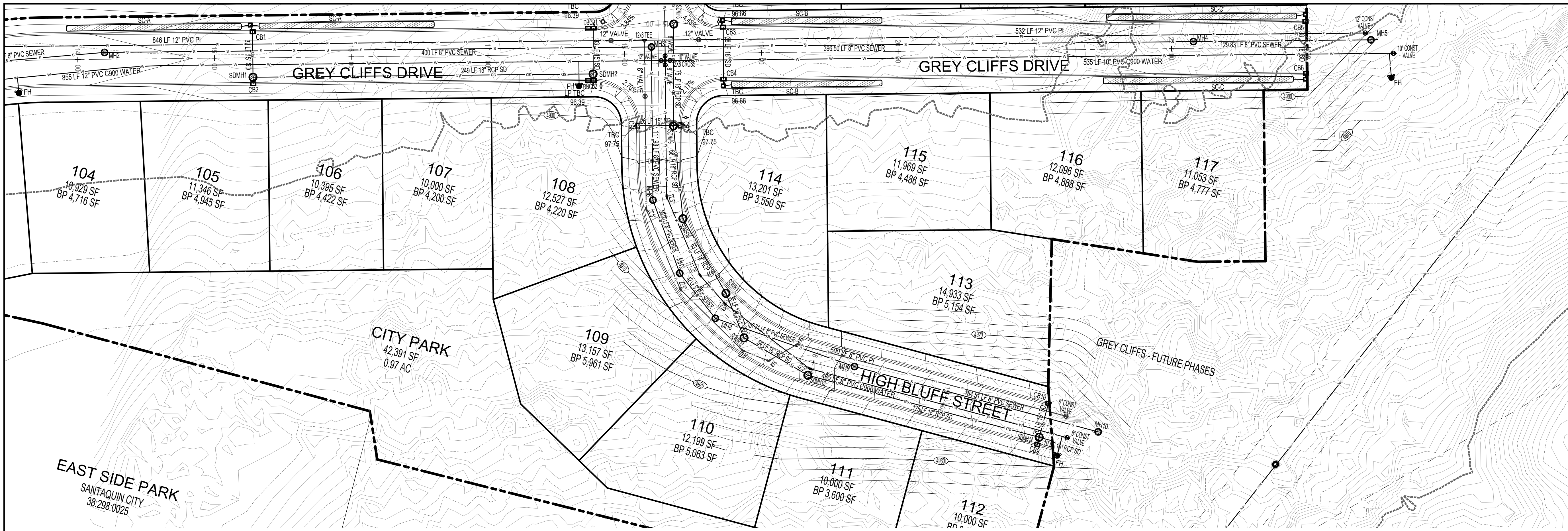
ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
HIGH BLUFF	<b>C5.1</b>



DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LONDON, UT 84042  
801.785.8458

SCALE: 1" = 40'

**BERG CIVIL ENGINEERING**

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office (801) 492-1277  
cell (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

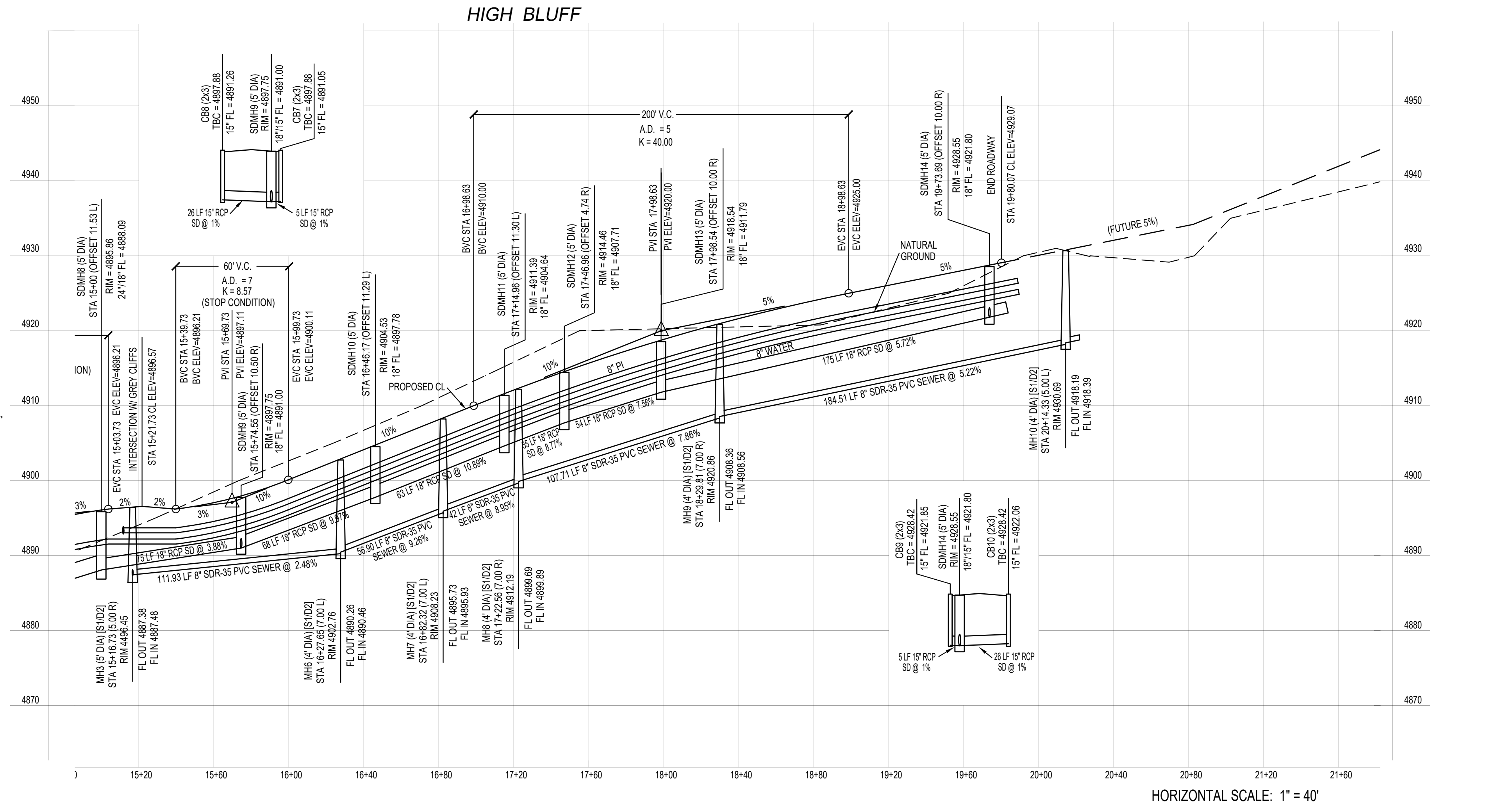
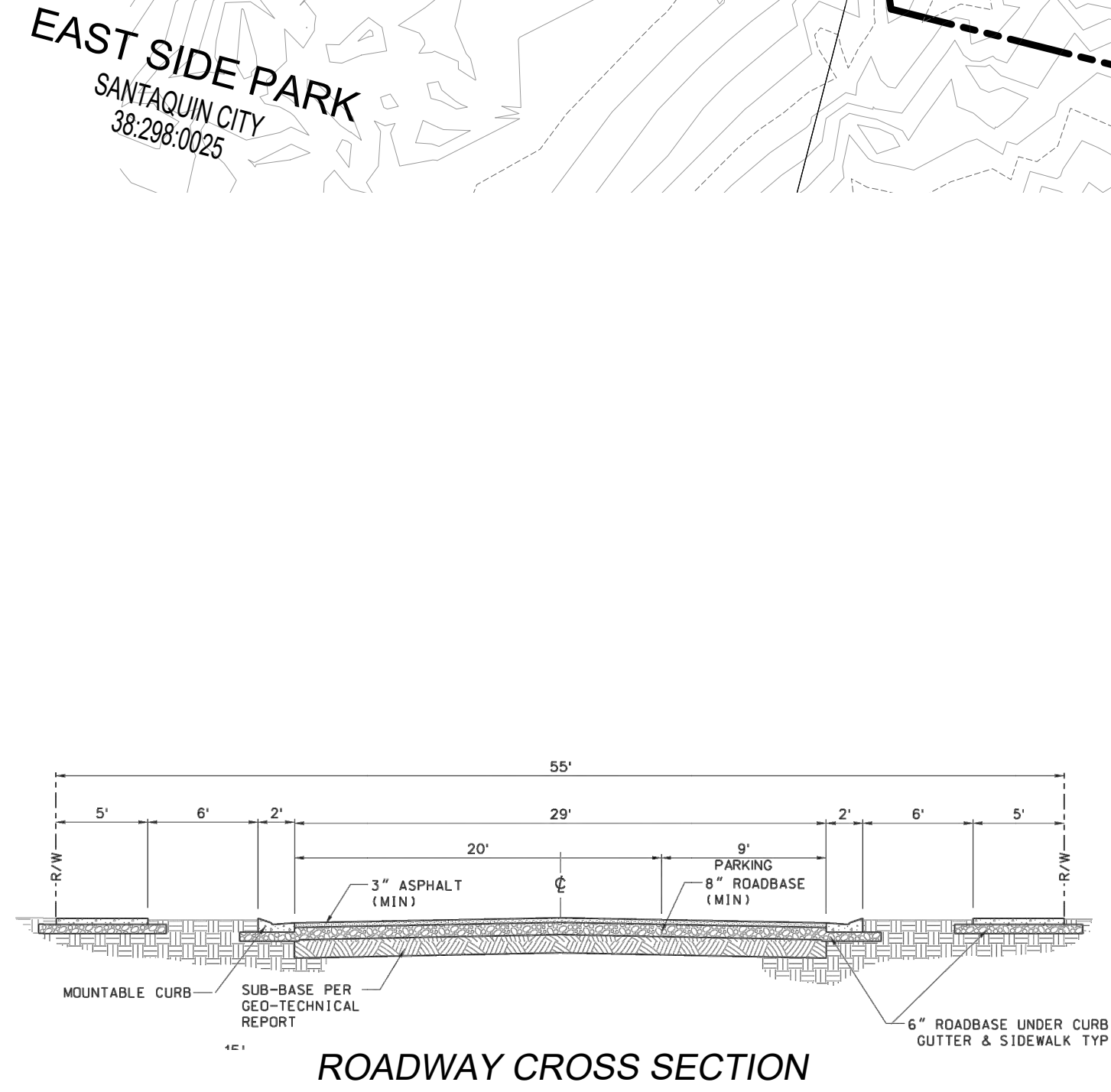
ACTION	DATE
FINAL	10-13-2023

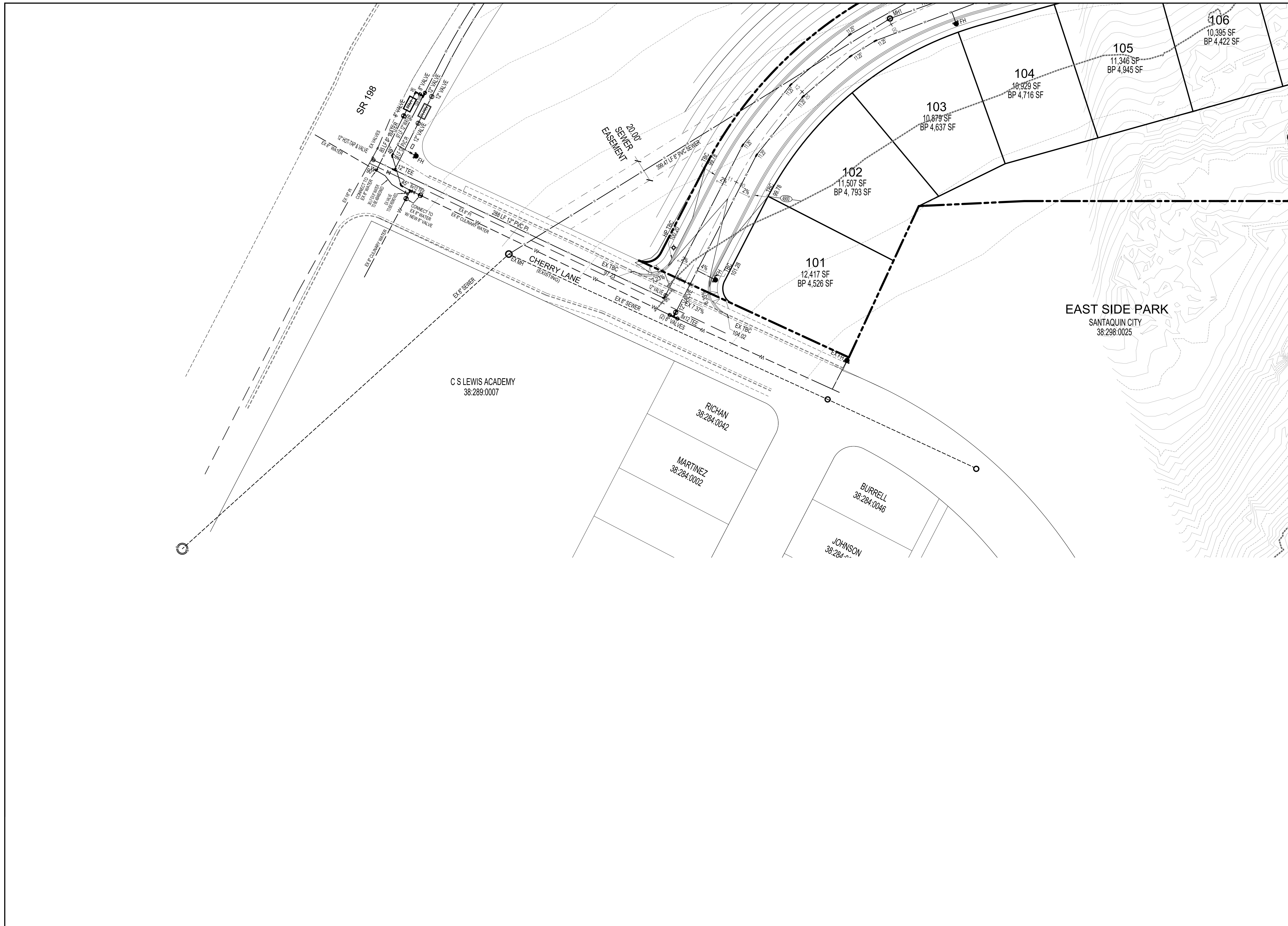
PROJECT

DESCRIPTION

**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
HIGH BLUFF	<b>C5.2</b>





DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LINDON, UT 84042  
801.785.8458

SCALE: 1" = 40'

**BERG**  
CIVIL ENGINEERING

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			

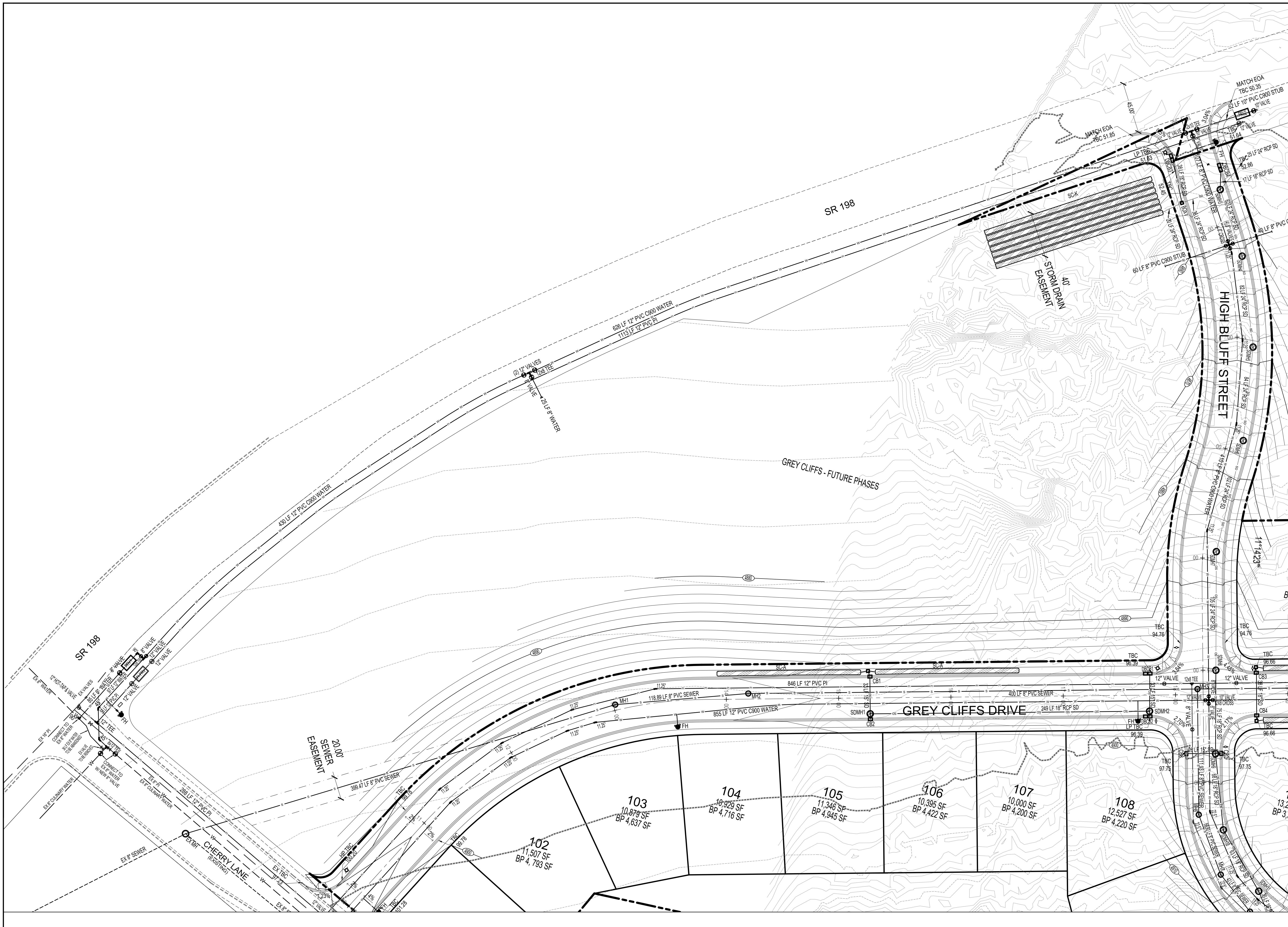
ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
CHERRY STREET	<b>C6.1</b>



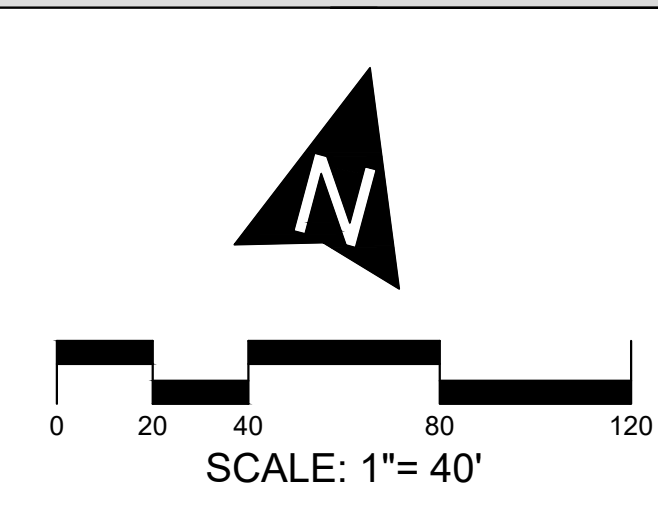
DEVELOPMENT

700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

# GREY CLIFFS LLC.

935 W. CENTER  
LINDON, UT 84042  
801.785.8458



1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS		SEAL
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

STATE OF UTAH  
R. B. BURT  
10-15-2023  
343602  
PROFESSIONAL ENGINEER

ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

## FINAL PLAT "A" CONSTRUCTION DRAWINGS

SHEET NAME	SHEET NUMBER
SR 198	C7.1



FENCING LEGEND  
 VINYL (6 FT)      1025 LF      UNITED STATES OF AMERICA 32:040:0016

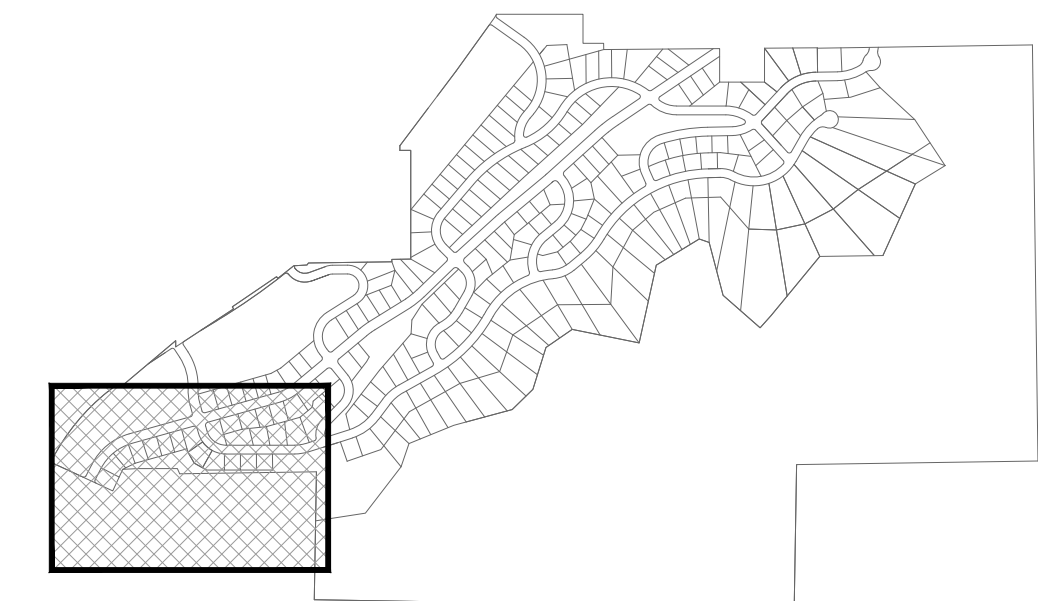
**LANDSCAPE TABULATIONS**

	Sunburst Honey Locust	Gleditsia triacanthos var. inermis	2 in. Caliper	4 ea
	Royal Raindrops Crabapple	Malus x 'JFS-KW5' Royal Raindrops	2 in. Caliper	2 ea
	Norway Spruce	Picea abies	2 in. Caliper	4 ea
	Lawn	Sod		36,900 sf
	Native Grass	City approved mix		5,260 sf



**VINYL FENCE (6 FT)**

**MAP KEY**



NOTE:  
 ALL PROPOSED LANDSCAPING AND OPEN SPACE IMPROVEMENTS SHALL FOLLOW THE APPROVED DEVELOPMENT AGREEMENT, SPECIFICALLY SECTION 3.6 AND EXHIBIT C.

DEVELOPMENT

700 N SR198  
 SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
 LINDON, UT 84042  
 801.785.8458

SCALE: 1" = 40'

**BERG CIVIL ENGINEERING**  
 1018 N Deer Crest Lane  
 Alpine, UT, 84004  
 office: (801) 492-1277  
 cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

ACTION	DATE
FINAL	10-13-2023

PROJECT

DESCRIPTION

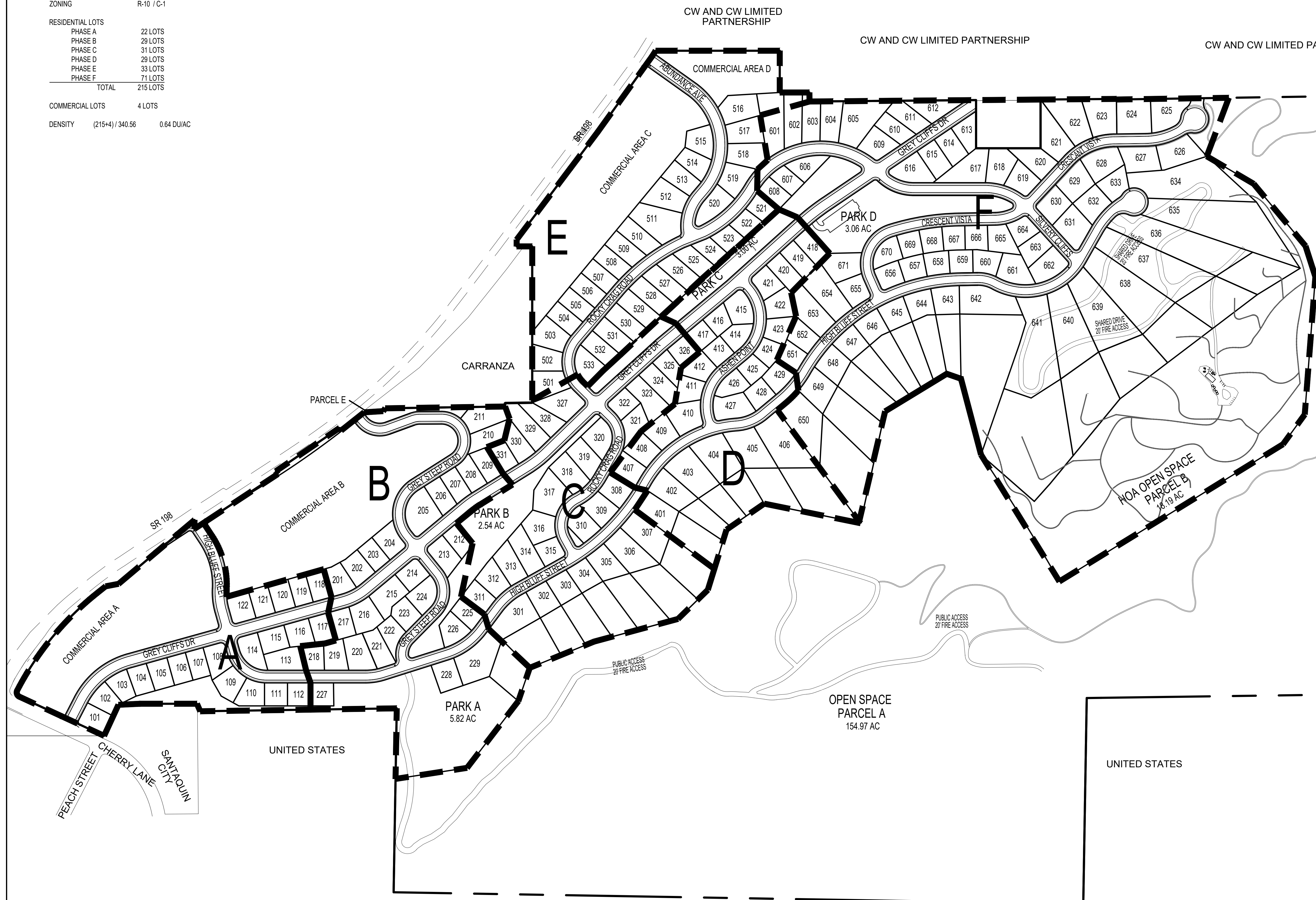
**FINAL PLAT "A" CONSTRUCTION DRAWINGS**

SHEET NAME	SHEET NUMBER
UPPER TRAIL	<b>C8.1</b>




**DENSITY TABULATIONS**

ZONING	R-10 / C-1	
RESIDENTIAL LOTS		
PHASE A	22 LOTS	
PHASE B	29 LOTS	
PHASE C	31 LOTS	
PHASE D	29 LOTS	
PHASE E	33 LOTS	
PHASE F	71 LOTS	
TOTAL	215 LOTS	
COMMERCIAL LOTS	4 LOTS	
DENSITY	(215+4) / 340.56	0.64 DU/AC



DEVELOPMENT

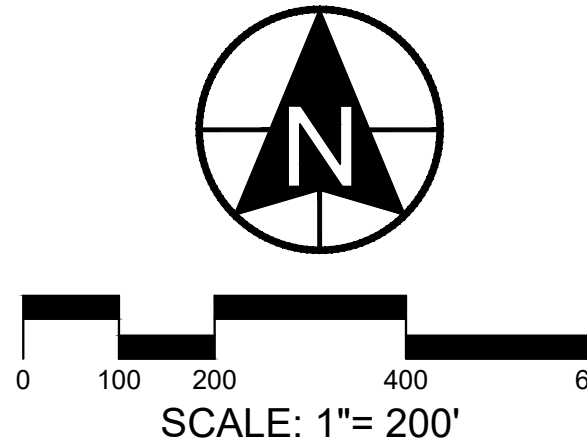


700 N SR198  
SANTAQUIN, UTAH COUNTY, UT

DEVELOPER

**GREY CLIFFS LLC.**

935 W. CENTER  
LONDON, UT 84042  
801.785.8458

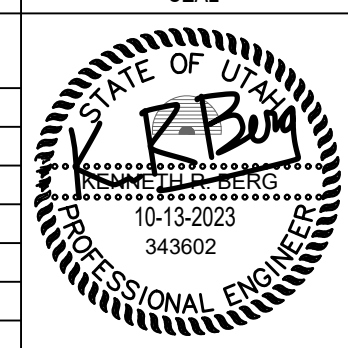


SCALE: 1"= 200'



**BERG CIVIL ENGINEERING**

1018 N Deer Crest Lane  
Alpine, UT, 84004  
office: (801) 492-1277  
cell: (801) 616-1677

REVISIONS			SEAL
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			
7			

ACTION	DATE
FINAL	10-13-2023

PROJECT



DESCRIPTION

**FINAL PLAT "A"  
CONSTRUCTION  
DRAWINGS**

SHEET NAME	SHEET NUMBER
OVERALL PHASING PLAN	<b>C9</b>