

Mayor

Rick Rosenberg

City Manager

Brock Jacobsen



City Council

Denny Drake

Leina Mathis

Ben Shakespeare

Jarett Waite

Christa Hinton

CITY COUNCIL

Meeting Date: 26/Jul/23

Agenda Item: 7

Applicant: N/A

Requested by: Dustin Mouritsen

Subject: Award bid for the BMX and Canyonview Parking Lot construction.

Description:

Consider approval for the construction of the BMX and Canyonview Parking Lots to the low bidder Progressive Contracting for the cost of \$1,039,755.80 of which \$500,000.00 comes from the County for a tourism grant.

Recommendation: Approval

Attachments: N/A

Cost: 1039755.8

Legal Approval: Yes

Finance Approval: Yes

Budget Approval: Yes

Adjusted Bid Tab 6/29/2023

Santa Clara Canyon View Park BMX Parking Lot Project

BID SCHEDULE A (BMX PARKING LOT)

				PCI ORIGINAL BID	
No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$29,000.00	\$29,000.00
2	SWPPP, Traffic Control, and Site Access	Lump	1	\$4,500.00	\$4,500.00
3	Clear and Grub	Acres	2.95	\$2,300.00	\$6,785.00
4	Earthwork	Cu Yd	7,839	\$20.00	\$156,780.00
8	3/4" Road Base - 6" Depth	Sq Ft	80,678	\$0.90	\$72,610.20
9	24" HB Curb and Gutter	Ln Ft	2,404	\$33.00	\$79,332.00
10	24" Mountable Curb and Gutter	Ln Ft	206	\$40.00	\$8,240.00
11	30" HB Curb and Gutter	Ln Ft	61	\$43.00	\$2,623.00
12	Temporary Tack-On Curb	Ln Ft	187	\$25.00	\$4,675.00
13	Sidewalk and Concrete Flatwork	Sq Ft	2,504	\$8.50	\$21,284.00
14	ADA Accessible Ramp	Each	18	\$3,700.00	\$66,600.00
15	6" Cross Gutter	Sq Ft	788	\$19.00	\$14,972.00
16	3" Concrete Waterway	Sq Ft	36	\$17.00	\$612.00
17	Stacked Rock Retaining Wall	Cu Yd	63	\$53.00	\$3,339.00
18	Parking Lot and Trail Striping	Ln Ft	4,835	\$0.50	\$2,417.50
19	16" Wide Livestock Gate	Each	2	\$1,400.00	\$2,800.00
20	12" Poly Storm Drain Pipe	Ln Ft	201	\$45.00	\$9,045.00
21	18" Poly Storm Drain Pipe	Ln Ft	240	\$72.00	\$17,280.00
22	Single Curb Inlet Catch Basin	Each	4	\$5,800.00	\$23,200.00
23	2' X 2' Catch Basin	Each	2	\$2,700.00	\$5,400.00
24	Sidewalk Drain Structure	Each	1	\$1,600.00	\$1,600.00
25	Rock Rip-Rap - D50 = 12"	Cu Yd	14.8	\$53.00	\$784.40
26	Extend Water Line and Move Hydrant	Lump	1	\$2,900.00	\$2,900.00
27	Wheel Stops	Each	10	\$158.00	\$1,580.00
28	Stealth 80 Single Head Street Lights	Each	8	\$5,700.00	\$45,600.00
29	Stealth 40-40 Dual Head Street Lights	Each	2	\$6,000.00	\$12,000.00
48	Traffic and Parking Signs	Each	8	\$500.00	\$4,000.00
Bid Schedule A Total				\$599,959.10	

BID SCHEDULE A ALTERNATE

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$23,200.00	\$23,200.00
5	Asphalt - 2 1/2" Depth	Sq Ft	73,500	\$1.80	\$132,300.00
6	Trail Asphalt - 2 1/2" Depth	Sq Ft	4,550	\$2.60	\$11,830.00
7	Asphalt Seal Coat	Sq Ft	78,050	\$0.34	\$26,537.00
31	Remove Large Trees	Each	2	\$348.00	\$696.00
32	Remove Existing Curb and Gutter	Ln Ft	215	\$1.20	\$258.00
33	Remove Existing Sidewalk	Sq Ft	860	\$1.20	\$1,032.00
34	Remove Existing Asphalt Trail	Sq Ft	4,975	\$1.20	\$5,970.00
35	Remove Existing Skate Park (3,564 sq ft)	Lump	1	\$22,040.00	\$22,040.00
36	Remove Existing Planter Curb	Ln Ft	586	\$1.20	\$703.20
Bid Schedule A Alternate Total				\$224,566.20	

BID SCHEDULE A AND ALTERNATE COMBINED TOTAL

\$824,525.30

BID SCHEDULE B

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$13,920.00	\$13,920.00
2	SWPPP, Traffic Control, and Site Access	Lump	1	\$4,500.00	\$4,500.00
3	Clear and Grub	Acres	1.23	\$1,400.00	\$1,722.00
4	Earthwork	Cu Yd	1,206	\$27.00	\$32,562.00
8	3/4" Road Base - 6" Depth	Sq Ft	41,173	\$0.90	\$37,055.70
9	24" HB Curb and Gutter	Ln Ft	1,363	\$32.00	\$43,616.00
13	Sidewalk and Concrete Flatwork	Sq Ft	2,417	\$8.50	\$20,544.50
14	ADA Accessible Ramp	Each	2	\$3,700.00	\$7,400.00
15	6" Cross Gutter	Sq Ft	560	\$19.00	\$10,640.00
17	Stacked Rock Retaining Wall	Cu Yd	150	\$61.00	\$9,150.00
18	Parking Lot and Trail Striping	Ln Ft	1,800	\$0.50	\$900.00
20	12" Poly Storm Drain Pipe	Ln Ft	208	\$45.00	\$9,360.00
22	Single Curb Inlet Catch Basin	Each	1	\$6,300.00	\$6,300.00
23	2' X 2' Catch Basin	Each	1	\$3,900.00	\$3,900.00
27	Wheel Stops	Each	19	\$158.00	\$3,002.00
28	Stealth 80 Single Head Street Lights	Each	5	\$5,700.00	\$28,500.00
42	6" A-Curb	Ln Ft	88	\$25.00	\$2,200.00
43	60" Storm Drain Manhole with Bolted Lid	Each	1	\$7,500.00	\$7,500.00
44	Remove Existing 2' X 2' Catch Basin	Each	1	\$928.00	\$928.00
45	Remove Existing 6" Poly Storm Drain Pipe	Ln Ft	32	\$14.00	\$448.00
46	Dumpster Enclosure	Lump	1	\$24,360.00	\$24,360.00
47	4" Conduit	Ln Ft	52	\$18.00	\$936.00
48	Traffic and Parking Signs	Each	5	\$500.00	\$2,500.00
Bid Schedule B Total				\$271,944.20	

BID SCHEDULE B ALTERNATE

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$4,640.00	\$4,640.00
5	Asphalt - 2 1/2" Depth	Sq Ft	34,081	\$1.80	\$61,345.80
6	Trail Asphalt - 2 1/2" Depth	Sq Ft	3,994	\$2.60	\$10,384.40
7	Asphalt Seal Coat	Sq Ft	38,075	\$0.34	\$12,945.50
31	Remove Large Trees	Each	2	\$348.00	\$696.00
32	Remove Existing Curb and Gutter	Ln Ft	77	\$1.20	\$92.40
33	Remove Existing Sidewalk	Sq Ft	308	\$1.20	\$369.60
34	Remove Existing Asphalt Trail	Sq Ft	177	\$1.20	\$212.40
37	Remove Existing Concrete Parking Stalls	Sq Ft	519	\$2.30	\$1,193.70
38	Remove Existing Street Light	Each	1	\$350.00	\$350.00
39	Relocate Benches	Each	2	\$700.00	\$1,400.00
40	Relocate Fire Pit	Lump	1	\$120.00	\$120.00
Bid Schedule B Alternate Total				\$93,749.80	

BID SCHEDULE B AND ALTERNATE COMBINED TOTAL

\$365,694.00

OVERALL COMBINED TOTAL

\$1,190,219.30

UPDATED QUANTITIES

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$29,000.00	\$29,000.00
2	SWPPP, Traffic Control, and Site Access	Lump	1	\$4,500.00	\$4,500.00
3	Clear and Grub	Acres	2.73	\$2,300.00	\$6,279.00
4	Earthwork	Cu Yd	7,502	\$20.00	\$150,040.00
8	3/4" Road Base - 6" Depth	Sq Ft	80,678	\$0.90	\$72,610.20
8	3/4" Road Base - 4" Depth	Sq Ft	88,811	\$0.75	\$66,608.25
9	24" HB Curb and Gutter	Ln Ft	1,193	\$33.00	\$39,369.00
10	24" Mountable Curb and Gutter	Ln Ft	206	\$40.00	\$8,240.00
11	30" HB Curb and Gutter	Ln Ft	30	\$43.00	\$1,290.00
12	Temporary Tack-On Curb	Ln Ft	187	\$25.00	\$4,675.00
13	Sidewalk and Concrete Flatwork	Sq Ft	1,199	\$8.50	\$10,191.50
14	ADA Accessible Ramp	Each	16	\$3,700.00	\$59,200.00
15	6" Cross Gutter	Sq Ft	1,380	\$19.00	\$26,220.00
16	3" Concrete Waterway	Sq Ft	26	\$17.00	\$442.00
17	Stacked Rock Retaining Wall	Cu Yd	63	\$53.00	\$3,339.00
18	Parking Lot and Trail Striping	Ln Ft	7,693	\$0.50	\$3,846.50
19	16" Wide Livestock Gate	Each	2	\$1,400.00	\$2,800.00
20	12" Poly Storm Drain Pipe	Ln Ft	201	\$45.00	\$9,045.00
21	18" Poly Storm Drain Pipe	Ln Ft	240	\$72.00	\$17,280.00
22	Single Curb Inlet Catch Basin	Each	4	\$5,800.00	\$23,200.00
23	2' X 2' Catch Basin	Each	2	\$2,700.00	\$5,400.00
24	Sidewalk Drain Structure	Each	1	\$1,600.00	\$1,600.00
25	Rock Rip-Rap - D50 = 12"	Cu Yd	14.8	\$53.00	\$784.40
26	Extend Water Line and Move Hydrant	Lump	1	\$2,900.00	\$2,900.00
27	Wheel Stops	Each	22	\$158.00	\$3,476.00
28	Stealth 80 Single Head Street Lights	Each	8	\$5,700.00	\$45,600.00
29	Stealth 40-40 Dual Head Street Lights	Each	2	\$6,000.00	\$12,000.00
42	6" A-Curb	Ln Ft	295	\$25.00	\$7,375.00
48	Traffic and Parking Signs	Each	9	\$500.00	\$4,500.00
49	Thickened Edge Sidewalk	Sq Ft	1,126	\$12.00	\$13,512.00
Bid Schedule A Total				\$543,216.65	

BID SCHEDULE A ALTERNATE

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$23,200.00	\$23,200.00
5	Asphalt - 2 1/2" Depth	Sq Ft	73,500	\$1.80	\$132,300.00
5	Asphalt - 2" Depth	Sq Ft	83,550	\$1.50	\$125,325.00
6	Trail Asphalt - 2 1/2" Depth	Sq Ft	4,550	\$2.60	\$11,830.00
7	Asphalt Seal Coat	Sq Ft	88,100	\$0.34	\$29,954.00
31	Remove Large Trees	Each	2	\$348.00	\$696.00
32	Remove Existing Curb and Gutter	Ln Ft	270	\$1.20	\$324.00
33	Remove Existing Sidewalk	Sq Ft	1,080	\$1.20	\$1,296.00
34	Remove Existing Asphalt Trail	Sq Ft	4,975	\$1.20	\$5,970.00
35	Remove Existing Skate Park (3,564 sq ft)	Lump	1	\$22,040.00	\$22,040.00
36	Remove Existing Planter Curb	Ln Ft	586	\$1.20	\$703.20
50	Remove Abandoned Telephone Pole	Lump	1	\$500.00	\$500.00
Bid Schedule A Alternate Total				\$221,838.20	

BID SCHEDULE A AND ALTERNATE COMBINED TOTAL

\$765,054.85

BID SCHEDULE B

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$13,920.00	\$13,920.00
2	SWPPP, Traffic Control, and Site Access	Lump	1	\$4,500.00	\$4,500.00
3	Clear and Grub	Acres	0.88	\$1,400.00	\$1,232.00
4	Earthwork	Cu Yd	543	\$27.00	\$14,661.00
8	3/4" Road Base - 6" Depth	Sq Ft	41,173	\$0.90	\$37,055.70
8	3/4" Road Base - 4" Depth	Sq Ft	29,076	\$0.75	\$21,807.00
9	24" HB Curb and Gutter	Ln Ft	691	\$32.00	\$22,112.00
13	Sidewalk and Concrete Flatwork	Sq Ft	2,028	\$8.50	\$17,238.00
14	ADA Accessible Ramp	Each	2	\$3,700.00	\$7,400.00
15	6" Cross Gutter	Sq Ft	560	\$19.00	\$10,640.00
17	Stacked Rock Retaining Wall	Cu Yd	450	\$61.00	\$9,150.00
18	Parking Lot and Trail Striping	Ln Ft	1,520	\$0.50	\$760.00
20	12" Poly Storm Drain Pipe	Ln Ft	198	\$45.00	\$8,910.00
22	Single Curb Inlet Catch Basin	Each	1	\$6,300.00	\$6,300.00
23	2' X 2' Catch Basin	Each	1	\$3,900.00	\$3,900.00
27	Wheel Stops	Each	42	\$158.00	\$6,636.00
28	Stealth 80 Single Head Street Lights	Each	4	\$5,700.00	\$22,800.00
42	6" A-Curb	Ln Ft	88	\$25.00	\$2,200.00
43	60" Storm Drain Manhole with Bolted Lid	Each	1	\$7,500.00	\$7,500.00
44	Remove Existing 2' X 2' Catch Basin	Each	1	\$928.00	\$928.00
45	Remove Existing 6" Poly Storm Drain Pipe	Ln Ft	32	\$14.00	\$448.00
46	Dumpster Enclosure	Lump	1	\$24,360.00	\$24,360.00
47	4" Conduit	Ln Ft	52	\$18.00	\$936.00
48	Traffic and Parking Signs	Each	5	\$500.00	\$2,500.00
Bid Schedule B Total				\$201,688.00	

BID SCHEDULE B ALTERNATE

No.	Item	Unit	Estimated Quantity	Unit Price	Total Price
1	Mobilization	Lump	1	\$4,640.00	\$4,640.00
5	Asphalt - 2 1/2" Depth	Sq Ft	34,081	\$1.80	\$61,345.80
5	Asphalt - 2" Depth	Sq Ft	28,666	\$1.50	\$42,999.00
6	Trail Asphalt - 2 1/2" Depth	Sq Ft	410	\$2.60	\$1,066.00
7	Asphalt Seal Coat	Sq Ft	29,076	\$0.34	\$9,885.84
31	Remove Large Trees	Each	2	\$348.00	\$696.00
32	Remove Existing Curb and Gutter	Ln Ft	77	\$1.20	\$92.40
33	Remove Existing Sidewalk	Sq Ft	308	\$1.20	\$369.60
34	Remove Existing Asphalt Trail	Sq Ft	177	\$1.20	\$212.40
37	Remove Existing Concrete Parking Stalls	Sq Ft	519	\$2.30	\$1,193.70
38	Remove Existing Street Light	Each	1	\$350.00	\$350.00
39	Relocate Benches	Each	2	\$700.00	\$1,400.00
40	Relocate Fire Pit	Lump	1	\$120.00	\$120.00
Bid Schedule B Alternate Total				\$61,504.94	

BID SCHEDULE B AND ALTERNATE COMBINED TOTAL

\$263,192.94

OVERALL COMBINED TOTAL

\$1,028,247.79

1. ALL ELEVATIONS AND HORIZONTAL LOCATIONS ARE BASED ON THE NAVD 88 VERTICAL DATUM AND MODIFIED STATE PLANE COORDINATE SYSTEM.
2. ALL WORK AND MATERIALS SHALL MEET THE SANTA CLARA STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION AS APPROVED OCTOBER 12, 2016.
3. A MANDATORY PRE-CONSTRUCTION MEETING WILL BE REQUIRED ON ALL PROJECTS PRIOR TO ANY GRUBBING, GRADING, OR CONSTRUCTION ACTIVITIES. THE PERMIT HOLDER WILL BE REQUIRED TO NOTIFY ALL DEVELOPMENT SERVICES INSPECTORS.
4. PROJECTS SHALL INSTALL AN INFORMATIONAL SIGN ON SITE BEFORE CONSTRUCTION BEGINNING. THIS SIGN WILL HAVE A MINIMUM SIZE, PLACEMENT LOCATION AND CONTENT INFORMATION WITH THE COMPANY NAME, PHONE CONTACT & GRADING PERMIT NUMBER.
5. ALL WORK SHALL BE CONTAINED ON THE SUBJECT SITE ONLY. NO STOCKPILING OR CONSTRUCTION ACTIVITY SHALL OCCUR OFF OF THE APPROVED LOT AREA.
6. THE PROJECT SHALL SUBMIT A DUST CONTROL PLAN WITH DETAILS ON EQUIPMENT, SCHEDULING AND REPORTING OF DUST CONTROL ACTIVITIES. A WATER TRUCK SHALL BE AVAILABLE ON-SITE THROUGHOUT CONSTRUCTION TO CONTROL AIRBORNE PARTICLES.
7. THE CONTRACTOR SHALL PROVIDE PORTABLE RESTROOMS AND A TEMPORARY TRASH ENCLOSURE ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
8. ALL FIELD DESIGN CHANGES SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



SCALE: 1"=1000'
SANTA CLARA, UT

THE ENGINEER FOR THIS PROJECT IS:
ROSENBERG ASSOCIATES
CONTACT: JARED BATES
352 EAST RIVERSIDE DRIVE, SUITE A2
ST. GEORGE, UTAH 84790
(435) 673-8586

THE GEOTECHNICAL ENGINEER FOR THIS PROJECT IS:
AGEC, INC.
CONTACT: WAYNE ROGERS, P.E.
1420 SOUTH 270 EAST
ST. GEORGE, UTAH 84790
(435) 673-6850

THE OWNER FOR THIS PROJECT IS:
SANTA CLARA CITY
CONTACT: BRAD HAYS
2603 SANTA CLARA DRIVE
SANTA CLARA, UTAH 84765
(435) 673-6712

SHEET INDEX	
1	COVER
2	GRADING/SITE PLAN
3	GRADING CROSS SECTIONS
4	DETAILS
5	SIGNAGE PLAN

I, JARED W. BATES, ST. GEORGE, UTAH DO HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND THAT I HOLD CERTIFICATE OF REGISTRATION (LICENSE) NUMBER 7886812. I FURTHER CERTIFY THAT THE DESIGN OF THESE IMPROVEMENT PLANS WAS MADE UNDER MY DIRECTION AND SUPERVISION AND IS ACCURATELY REPRESENTED ON THESE PLANS.

JARED W BATES, P.E. CERTIFICATE NO. 7886812



VALLEY PARK DR

SCENIC DR.

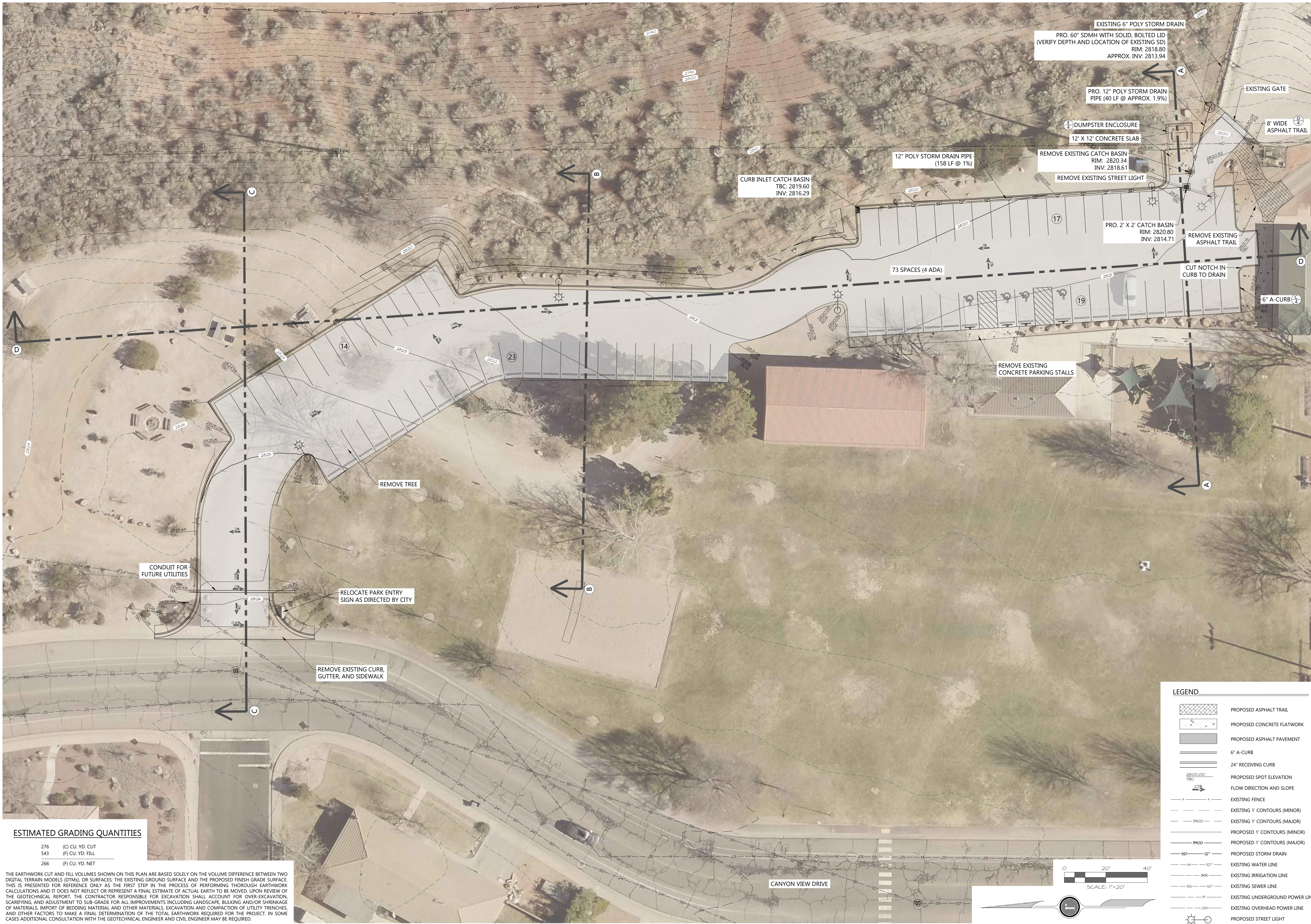
CANYON VIEW DR.

TUACAHN WASH

[illegible]

2 East Riverside Drive, Suite A-2
St. George, Utah 84790
(435) 673-8586 Fx (435) 673-8397
www.racivil.com

SHEET
1
OF 5 SHEETS



ESTIMATED GRADING QUANTITIES

276	(C) CU. YD. CUT
543	(F) CU. YD. FILL
266	(F) CU. YD. NET

THE EARTHWORK CUT AND FILL VOLUMES SHOWN ON THIS PLAN ARE BASED SOLELY ON THE VOLUME DIFFERENCE BETWEEN TWO DIGITAL TERRAIN MODELS (DTMs), OR SURFACES: THE EXISTING GROUND SURFACE AND THE PROPOSED FINISH GRADE SURFACE. THIS IS PRESENTED FOR REFERENCE ONLY AS THE FIRST STEP IN THE PROCESS OF PERFORMING THOROUGH EARTHWORK CALCULATIONS AND IT DOES NOT REFLECT OR REPRESENT A FINAL ESTIMATE OF ACTUAL EARTH TO BE MOVED. UPON REVIEW OF THE GEOTECHNICAL REPORT, THE CONTRACTOR RESPONSIBLE FOR EXCAVATION SHALL ACCOUNT FOR OVER-EXCAVATION, SCARIFYING, AND ADJUSTMENT TO SUB-GRADE FOR ALL IMPROVEMENTS INCLUDING LANDSCAPE, BULKING AND/OR SHRINKAGE OF MATERIALS, IMPORT OF BEDDING MATERIAL AND OTHER MATERIALS, EXCAVATION AND COMPACTION OF UTILITY TRENCHES, AND OTHER FACTORS TO MAKE A FINAL DETERMINATION OF THE TOTAL EARTHWORK REQUIRED FOR THE PROJECT. IN SOME CASES ADDITIONAL CONSULTATION WITH THE GEOTECHNICAL ENGINEER AND CIVIL ENGINEER MAY BE REQUIRED.

DATE: 6/28/2023

JOB NO.: 08610-20-014

DESIGNED BY: GRF

CHECKED BY: JWB

DWG: LAYOUT

DATE:

REVISIONS:

ROSENBERG

A S S O C I A T E S

CIVIL ENGINEERS • LAND SURVEYORS

1

352 East Riverside Drive, Suite A-2
St. George, Utah 84790
Ph (435) 673-8586, Fx (435) 673-8397
www.racivil.com

GRADING PLAN
FOR
CANYON VIEW PARK PARKING LOT
SANTA CLARA
UTAH

PROFESSOR

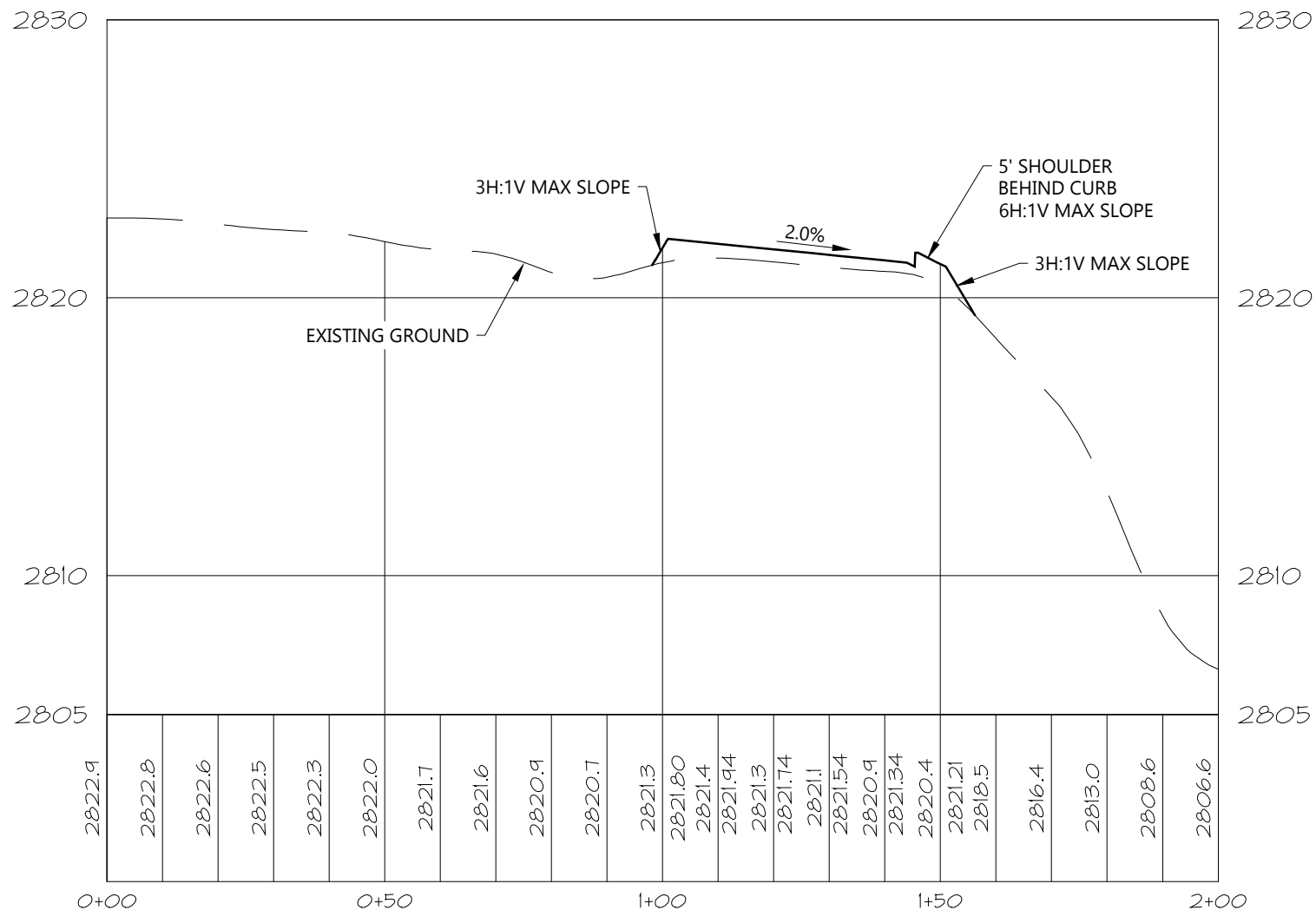
JARED W. BATES

STATE OF UTAH

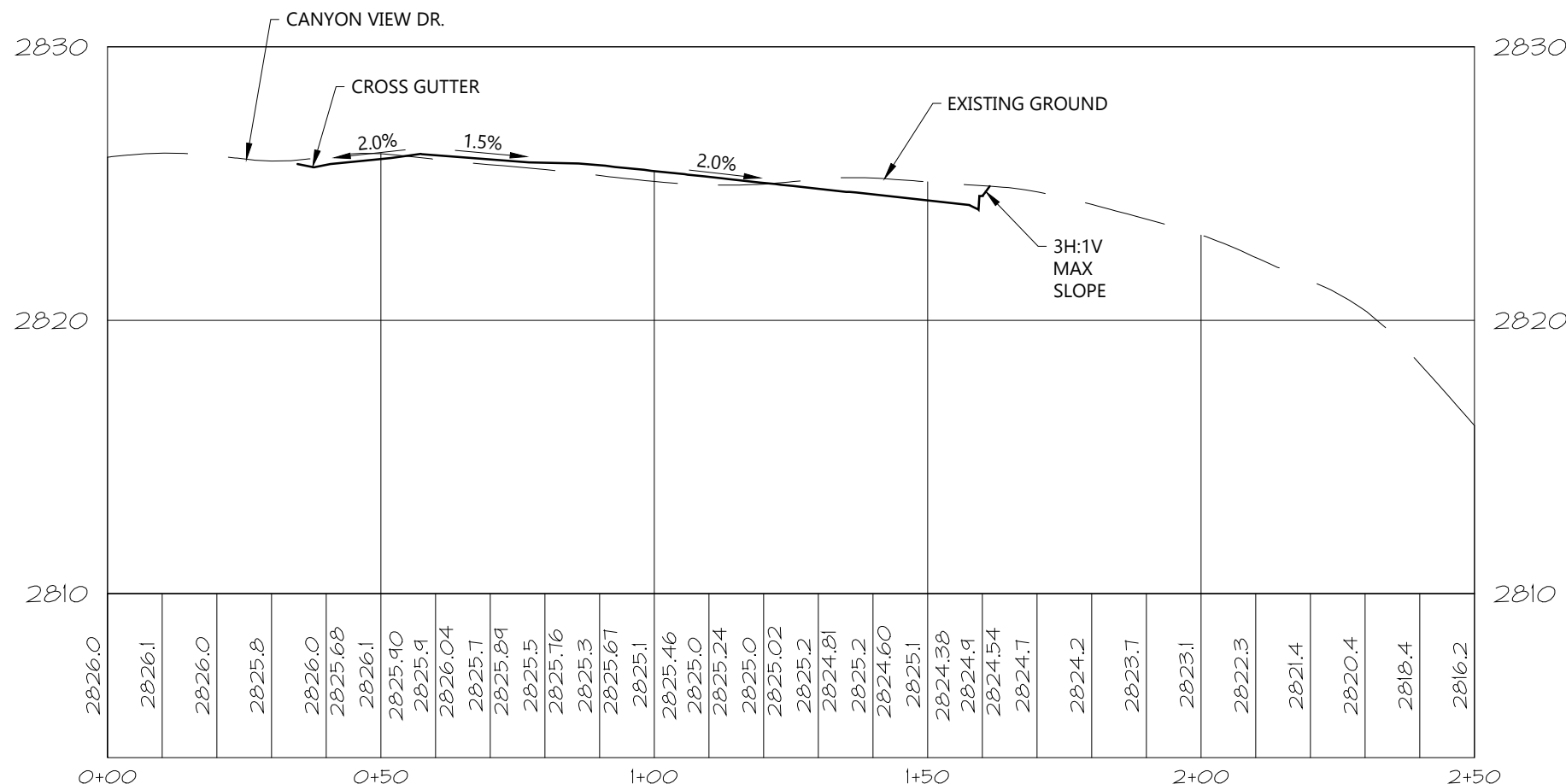
SHEET
2
2 OF 5 SHEETS



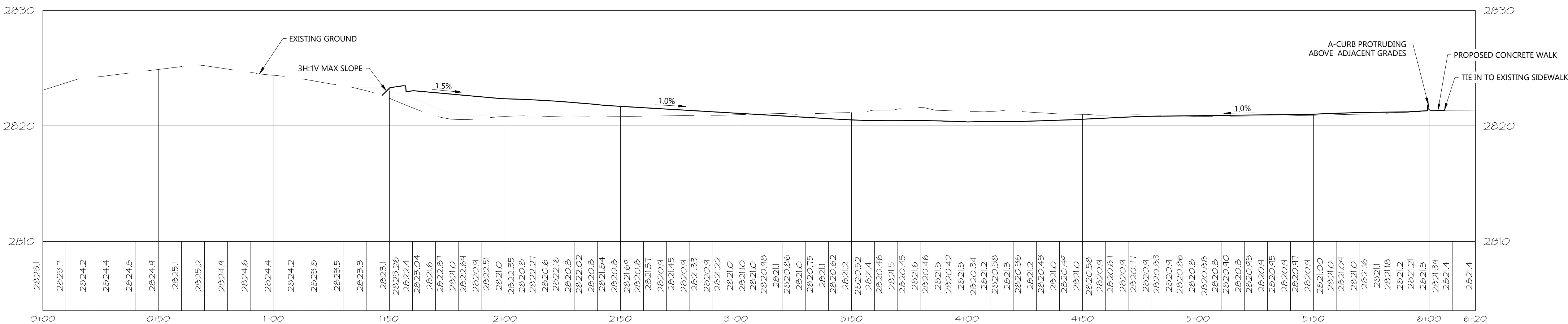
A GRADING CROSS SECTION A-A
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 6'



B GRADING CROSS SECTION B-B
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 6'

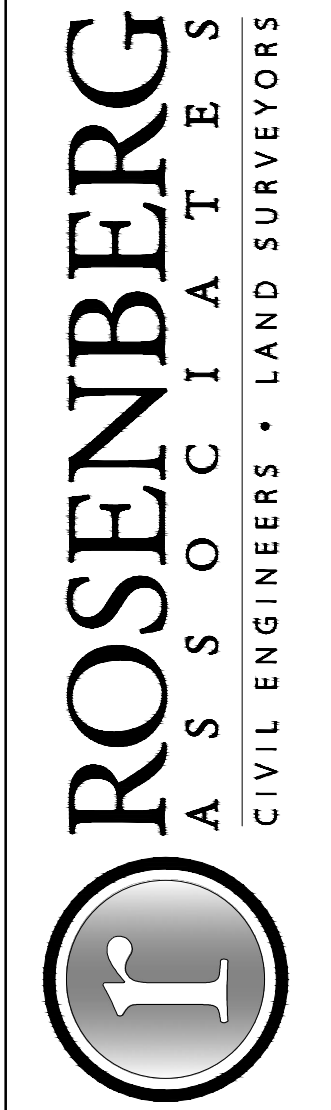


C GRADING CROSS SECTION C-C
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 6'



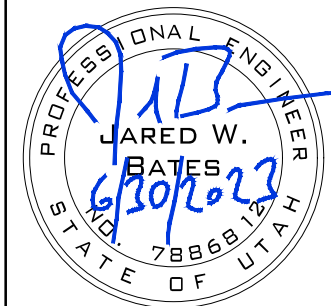
D GRADING CROSS SECTION D-D
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VERTICAL SCALE: 1" = 6'

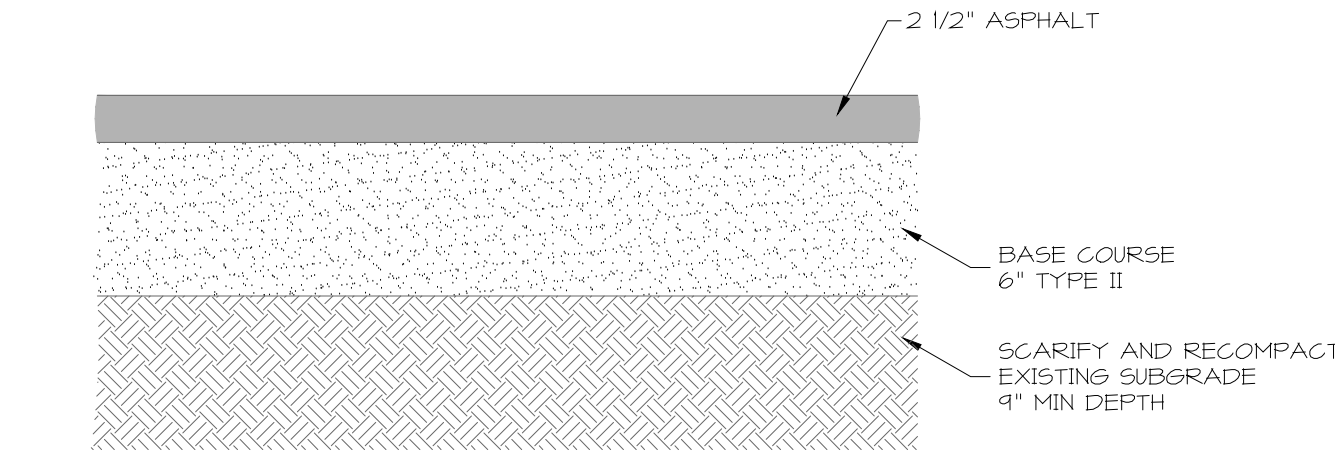
DATE:	6/8/2023
JOB NO.:	08610-20-014
DESIGNED BY:	GRF
CHECKED BY:	JWB
DWG:	CONST.
DATE:	
REVISIONS:	



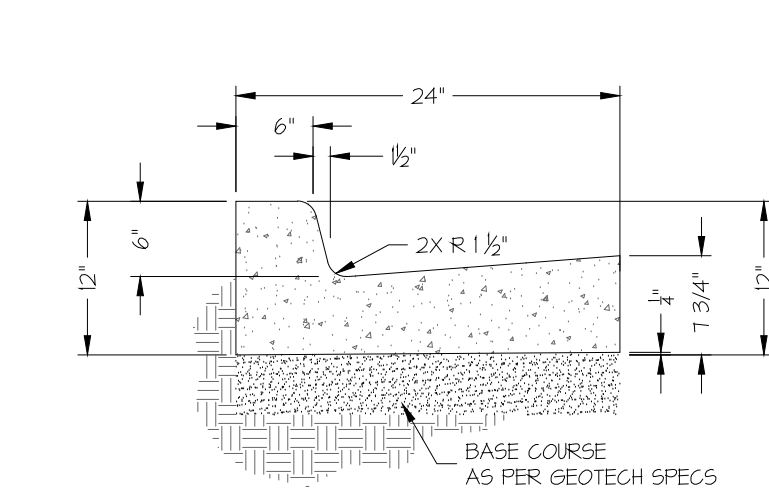
352 East Riverside Drive, Suite A-2
St. George, Utah 84790
Ph (435) 673-8586; Fx (435) 673-8397
www.racivil.com

GRADING CROSS SECTIONS
FOR
CANYON VIEW PARK PARKING LOT
SANTA CLARA
UTAH

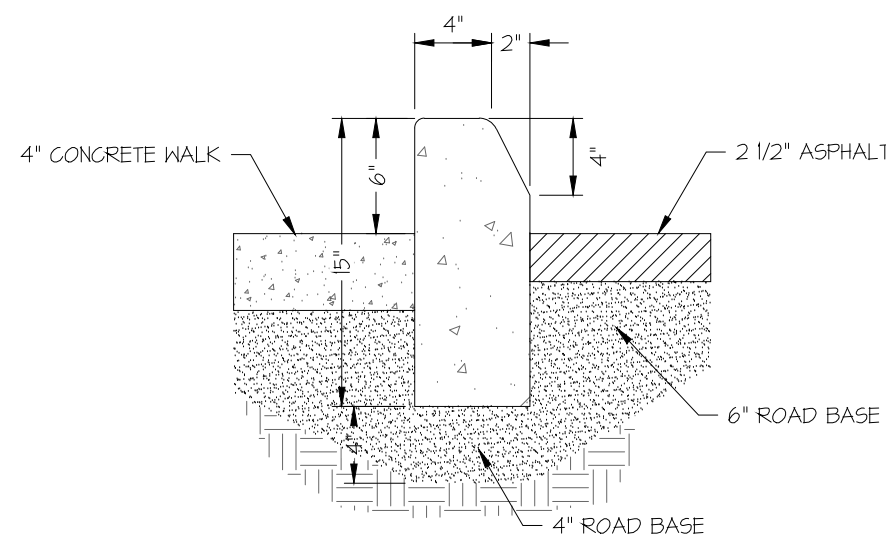




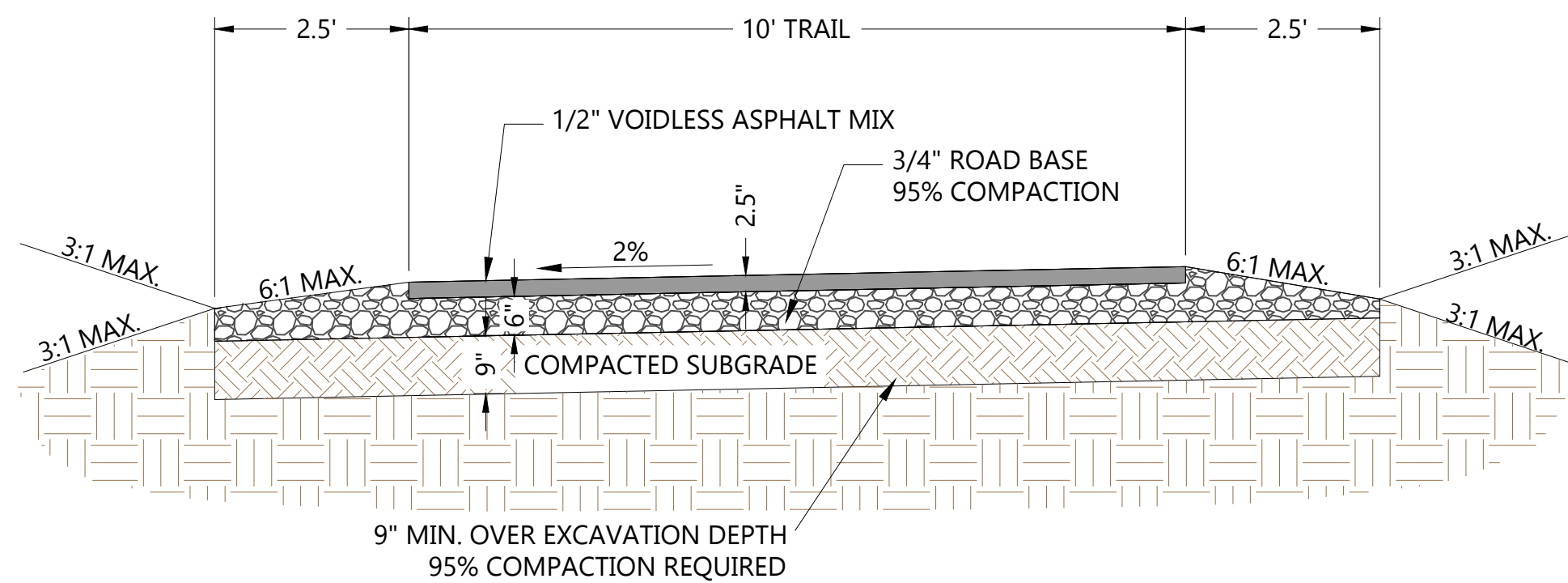
A PARKING LOT PAVEMENT
SCALE: N.T.S.



B 24" RECEIVING CURB
SCALE: N.T.S.



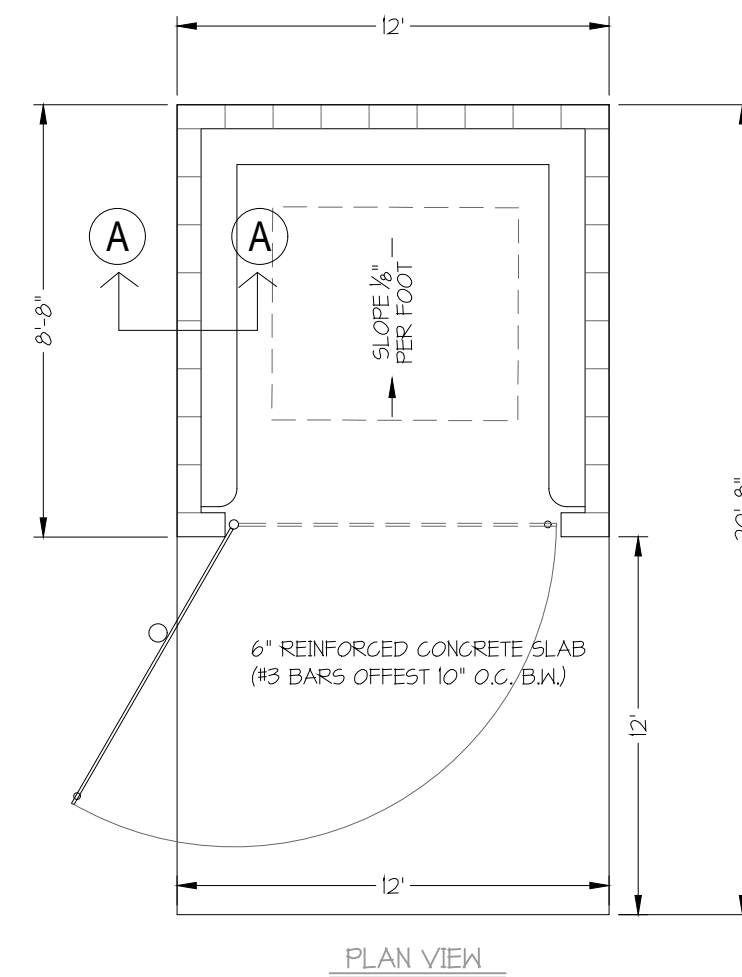
C 6" A-CURB
SCALE: N.T.S.



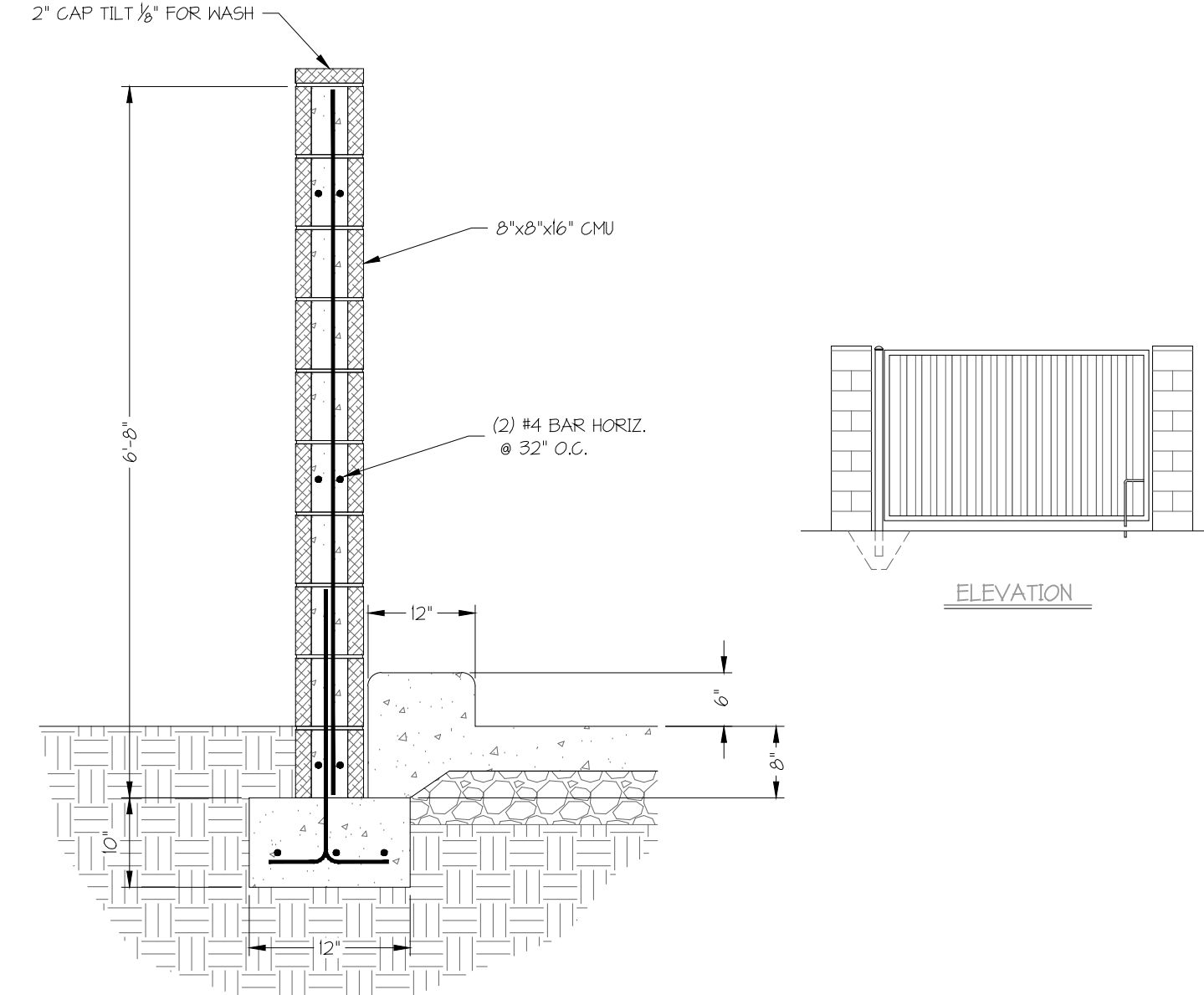
D TYPICAL TRAIL SECTION
SCALE: 1"=2'

ASPHALT TRAIL NOTES

1. PAVEMENT SECTION
ASPHALT: 2 1/2" THICK 1/2" ASPHALT MIX NEAR VOID-LESS (AIR Voids NOT TO EXCEED 1%)
BASE COURSE: 1/2" THICK 1/2" ROAD BASE COMPACTED TO A MIN. OF 95%.
2. TRAIL TO BE CROSS-SLOPED AT 2% AS TO DRAIN TOWARD THE WASH.
3. UNLESS SHOWN OTHERWISE ON THESE PLANS, ALL CONSTRUCTION SHALL CONFORM THE SANTA CLARA CITY "CONSTRUCTION DESIGN STANDARDS", THE INTERNATIONAL PLUMBING CODE, AND THE "INTERNATIONAL BUILDING CODE" LATEST EDITIONS AS ADMINISTERED BY SANTA CLARA CITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF AND PROTECTION OF ALL EXISTING UNDERGROUND UTILITIES DURING CONSTRUCTION.



E DUMPSTER ENCLOSURE
SCALE: N.T.S.



SANTA CLARA CITY STANDARD DETAIL DRAWINGS		
ROADWAY DETAIL DRAWINGS (SERIES 100)		DRAWING NUMBER
* STANDARD CURB & GUTTER DETAIL		100
CONCRETE CURB & GUTTER (RUBO & PR24)		101
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* DRIVEWAY APRON DETAILS		111
* STANDARD SIDEWALK DETAILS		120
* HANDICAP RAMP DETAILS		121
* STANDARD CONCRETE JOINT DETAILS		122
10' TRAIL SECTION		130
STANDARD ROAD CROSS SECTIONS		140
ROADWAY DETAILS 50' WIDE ACCESS		141
RESIDENTIAL ACCESS - A		142
RESIDENTIAL ACCESS - B		143
* STANDARD 6' CROSS GUTTER		151
DRIVEWAY ACCESS DETAILS WITHOUT CURBING		152
DRIVEWAY WITHOUT CURBING (50' & 60' RIGHT OF WAY)		153
CLASS I STANDARD MONUMENT DETAILS		160
CLASS II MONUMENT		161
TRENCH BACKFILL AND REPAIR DETAIL		170
MANHOLES & VALVE BOXES CONCRETE COLLAR		171
CONCRETE WATER VALVE COLLAR		172
CONCRETE MANHOLE COLLAR		173
CONCRETE IRRIGATION VALVE COLLAR		174
DRAINAGE & SEWER DETAIL DRAWINGS (SERIES 200)		
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* CURB INLET SINGLE CATCH BASIN FRAME (PAGE 3)		200C
CURB INLET DOUBLE CATCH BASIN FRAME (PAGE 4)		200D
* STANDARD CATCH BASIN GRATE - BICYCLE SAFE		202
34" SOLID LID DETAILS		203
* SIDEWALK DRAINAGE STRUCTURE (PAGE 1)		204A
* SIDEWALK DRAINAGE STRUCTURE (PAGE 2)		204B
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P.V.C. SERVICE CONNECTION NEW P.V.C. SEWER MAINS		232

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WATER METER BOX LOCATION DETAILS		301
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ABOVE WATER CROSSING		322
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SIGNAGE DETAIL DRAWINGS (SERIES 400)		
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TYPICAL SIGN PLACEMENT DETAILS		412

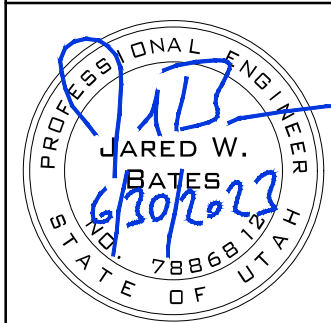
* DENOTES DETAILS USED FOR THIS PROJECT

DATE: 6/28/2023
JOB NO.: 08610-20-014
DESIGNED BY: GRF
CHECKED BY: JWB
DWG: CONST.
DATE:
REVISIONS:

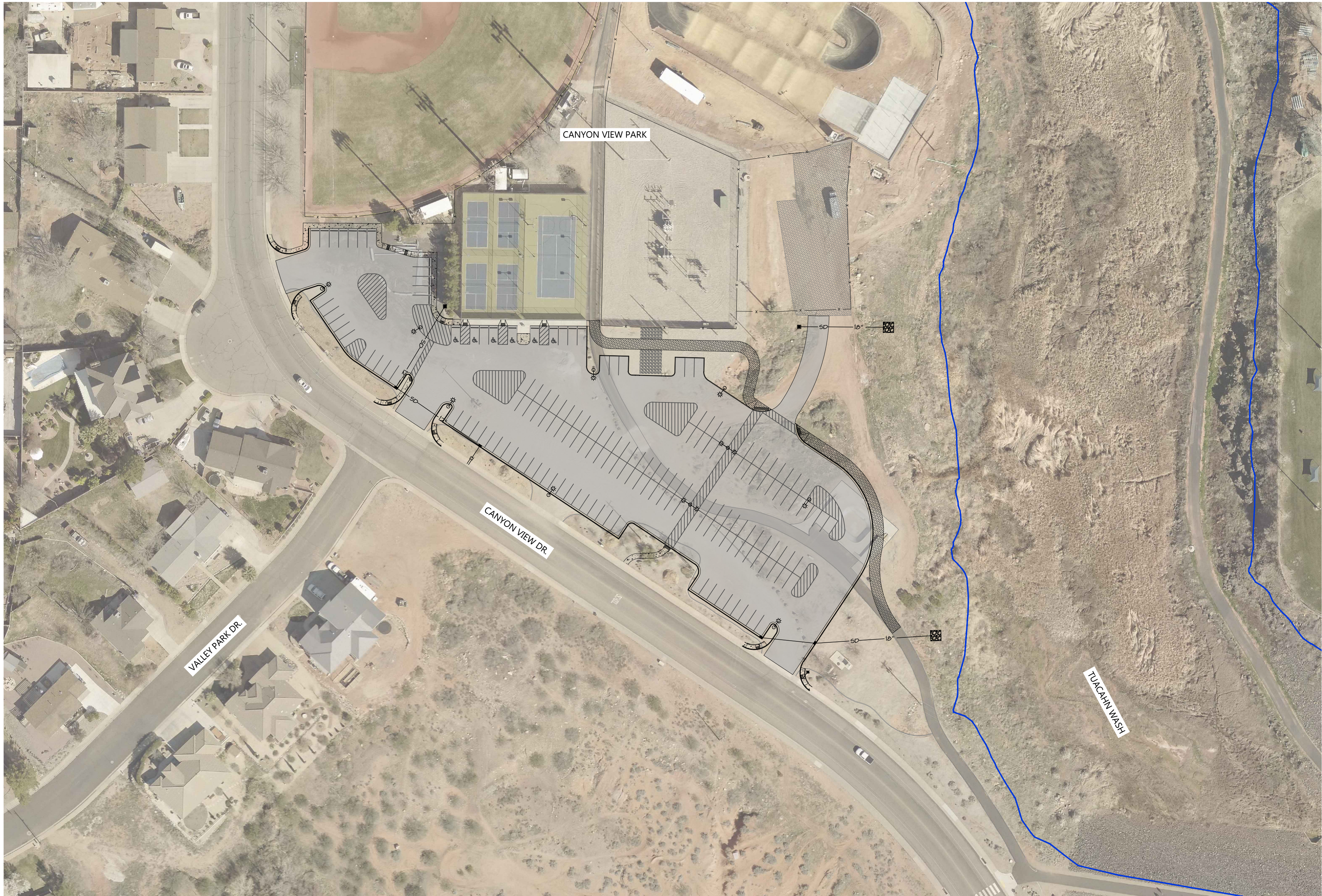
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A S S O C I A T E S
CIVIL ENGINEERS • LAND SURVEYORS

352 East Riverside Drive, Suite A-2
St. George, Utah 84790
Ph (435) 673-8586, Fx (435) 673-8397
www.rachil.com

DETAILS
FOR
CANYON VIEW PARK PARKING LOT
SANTA CLARA
UTAH



1. ALL ELEVATIONS AND HORIZONTAL LOCATIONS ARE BASED ON THE NAVD 88 VERTICAL DATUM AND MODIFIED STATE PLANE COORDINATE SYSTEM.
2. ALL WORK AND MATERIALS SHALL MEET THE SANTA CLARA STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION AS APPROVED OCTOBER 12, 2016.
3. A MANDATORY PRE-CONSTRUCTION MEETING WILL BE REQUIRED ON ALL PROJECTS PRIOR TO ANY GRUBBING, GRADING, OR CONSTRUCTION ACTIVITIES. THE PERMIT HOLDER WILL BE REQUIRED TO NOTIFY ALL DEVELOPMENT SERVICES INSPECTORS.
4. PROJECTS SHALL INSTALL AN INFORMATIONAL SIGN ON SITE BEFORE CONSTRUCTION BEGINNING. THIS SIGN WILL HAVE A MINIMUM SIZE, PLACEMENT LOCATION AND CONTENT INFORMATION WITH THE COMPANY NAME, PHONE CONTACT & GRADING PERMIT NUMBER.
5. ALL WORK SHALL BE CONTAINED ON THE SUBJECT SITE ONLY. NO STOCKPILING OR CONSTRUCTION ACTIVITY SHALL OCCUR OFF OF THE APPROVED LOT AREA.
6. THE PROJECT SHALL SUBMIT A DUST CONTROL PLAN WITH DETAILS ON EQUIPMENT, SCHEDULING AND REPORTING OF DUST CONTROL ACTIVITIES. A WATER TRUCK SHALL BE AVAILABLE ON-SITE THROUGHOUT CONSTRUCTION TO CONTROL AIRBORNE PARTICLES.
7. THE CONTRACTOR SHALL PROVIDE PORTABLE RESTROOMS AND A TEMPORARY TRASH ENCLOSURE ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
8. ALL FIELD DESIGN CHANGES SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



THE ENGINEER FOR THIS PROJECT IS:
ROSENBERG ASSOCIATES
CONTACT: JARED BATES
352 EAST RIVERSIDE DRIVE, SUITE A2
ST. GEORGE, UTAH 84790
(435) 673-8586

THE GEOTECHNICAL ENGINEER FOR THIS PROJECT IS:
AGEC, INC.
CONTACT: WAYNE ROGERS, P.E.
1420 SOUTH 270 EAST
ST. GEORGE, UTAH 84790
(435) 673-6850

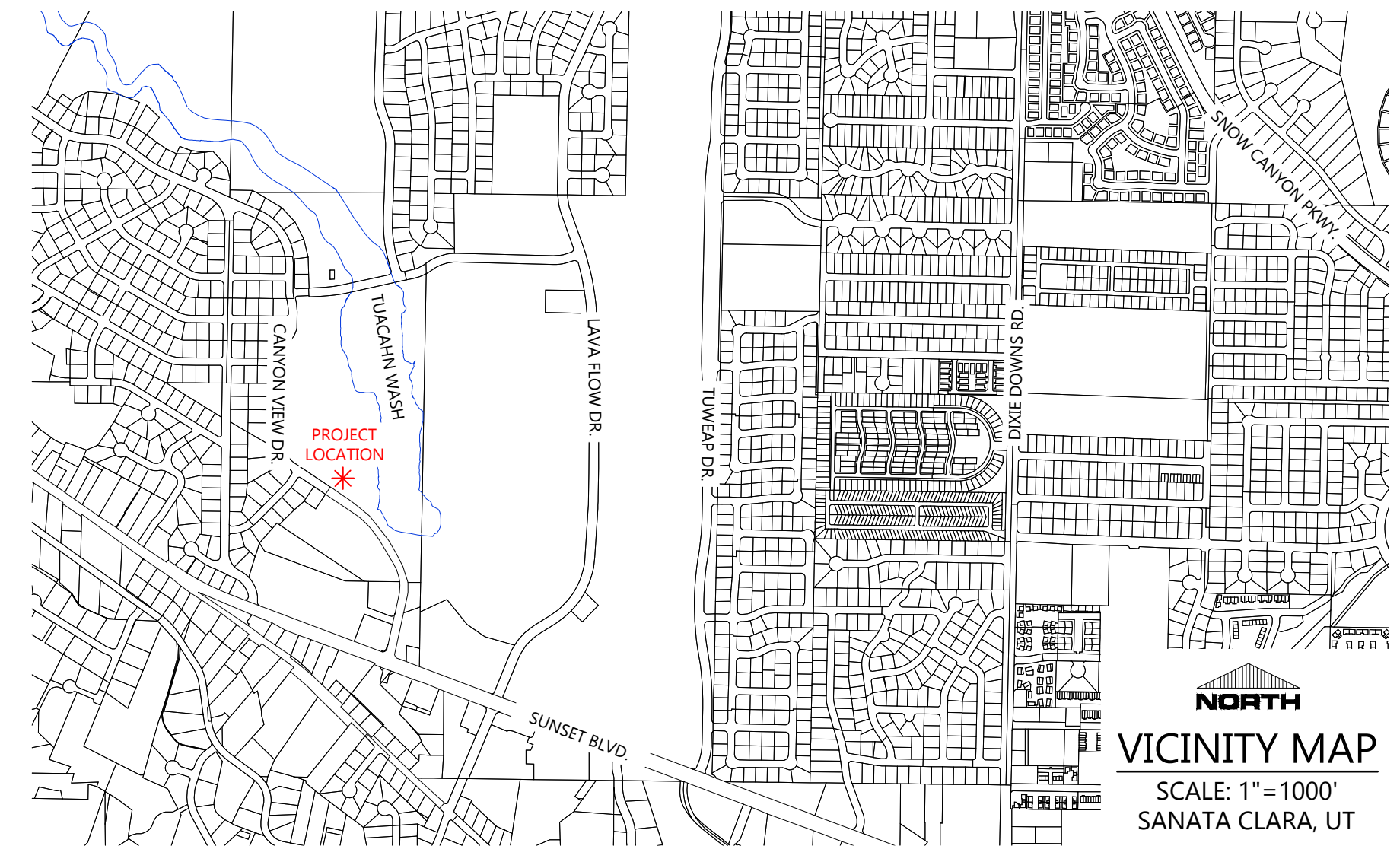
THE OWNER FOR THIS PROJECT IS:
SANTA CLARA CITY
CONTACT: DUSTIN MOURITSEN
2603 SANTA CLARA DRIVE
SANTA CLARA, UTAH 84765
(435) 673-6712

SHEET INDEX	
1	COVER
2	GRADING/SITE PLAN
3	GRADING CROSS SECTIONS
4	DETAILS

I, JARED W. BATES, ST. GEORGE, UTAH DO HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND THAT I HOLD CERTIFICATE OF REGISTRATION (LICENSE) NUMBER 7886812. I FURTHER CERTIFY THAT THE DESIGN OF THESE IMPROVEMENT PLANS WAS MADE UNDER MY DIRECTION AND SUPERVISION AND IS ACCURATELY REPRESENTED ON THESE PLANS.

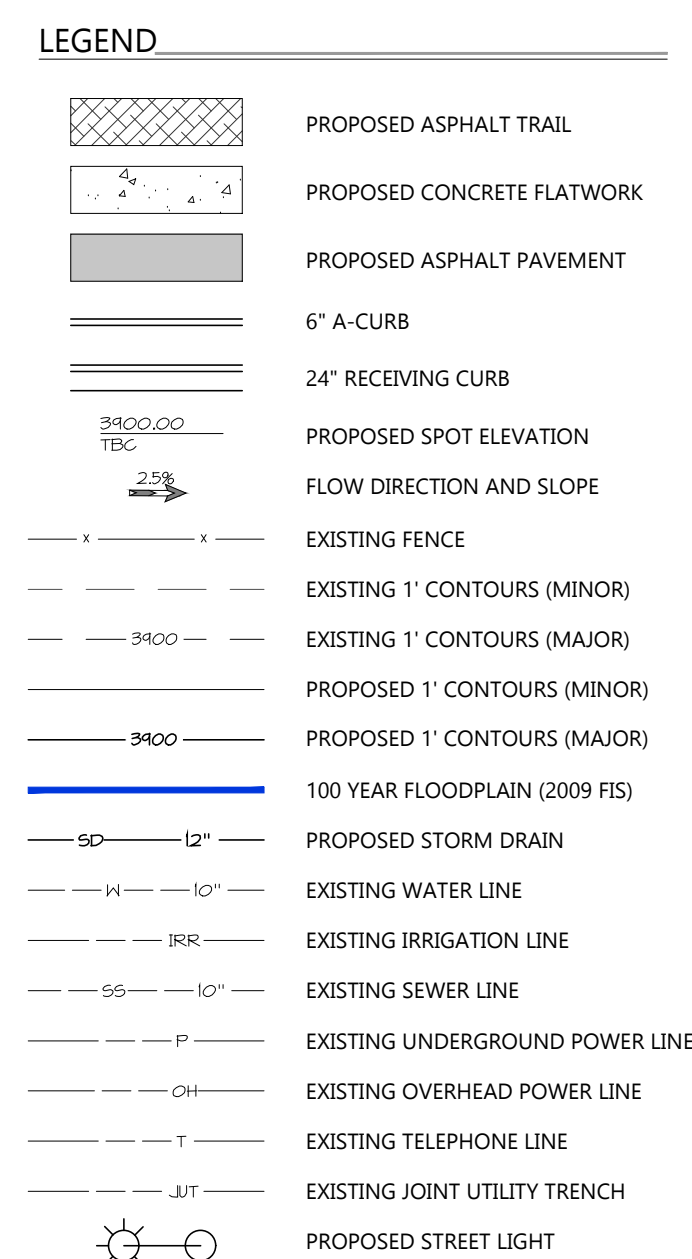

JARED W BATES, P.E.

CERTIFICATE NO. 7886812

[illegible]

2 East Riverside Drive, Suite A-2
St. George, Utah 84790
(435) 673-8586 Fx (435) 673-8397
www.racivil.com

OF 5 SHEETS



ESTIMATED GRADING QUANTITIES	
679	(C) CU. YD. CUT
7,502	(F) CU. YD. FILL
6,822	(F) CU. YD. NET

THE EARTHWORK CUT AND FILL QUANTITIES SHOWN ON THIS PLAN ARE BASED SOLELY ON THE VOLUME DIFFERENCE BETWEEN TWO DIGITAL TERRAIN MODELS (DTMs), OR SURFACES: THE EXISTING GROUND SURFACE AND THE PROPOSED FINISH GRADE SURFACE. THIS IS PRESENTED FOR REFERENCE ONLY AS THE FIRST STEP IN THE PROCESS OF PERFORMING THOROUGH EARTHWORK CALCULATIONS AND IT DOES NOT REFLECT OR REPRESENT A FINAL ESTIMATE OF ACTUAL EARTH TO BE MOVED. UPON REVIEW OF THE GEOTECHNICAL REPORT, THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION, SHORING, ACCOUNT FOR OVER-EXCAVATION, AND/OR OVER-SHORE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES, REMOVAL OF MATERIALS, IMPORT OF BEDDING MATERIAL AND OTHER MATERIALS, EXCAVATION AND COMPACTION OF UTILITY TRENCHES, AND OTHER FACTORS TO MAKE A FINAL DETERMINATION OF THE TOTAL EARTHWORK REQUIRED FOR THE PROJECT. IN SOME CASES ADDITIONAL CONSULTATION WITH THE GEOTECHNICAL ENGINEER AND CIVIL ENGINEER MAY BE REQUIRED.

[illegible]

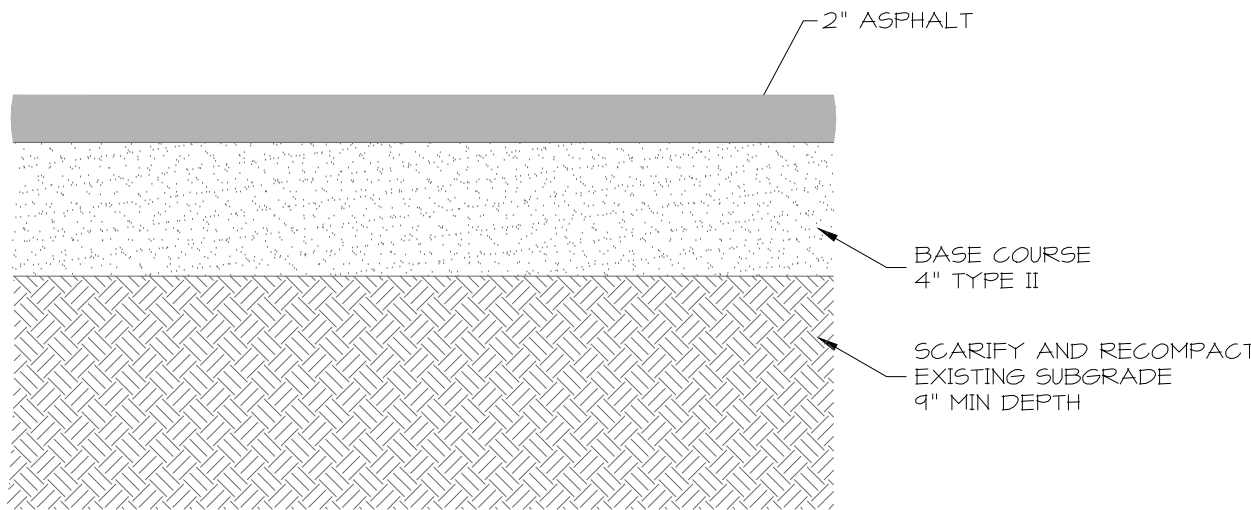
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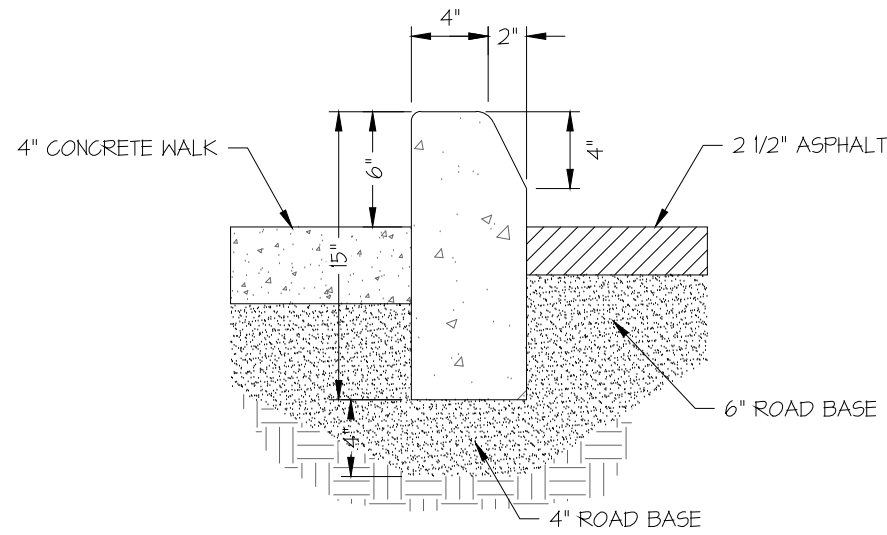
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GRADING PLAN FOR CANYON VIEW PARK BMX PARKING LOT SANTA CLARA UTAH

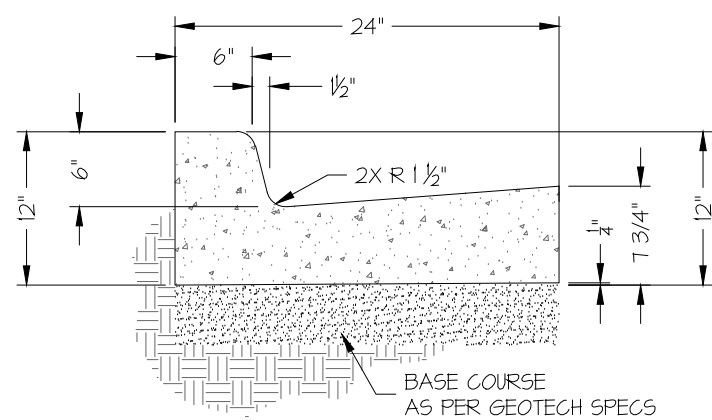




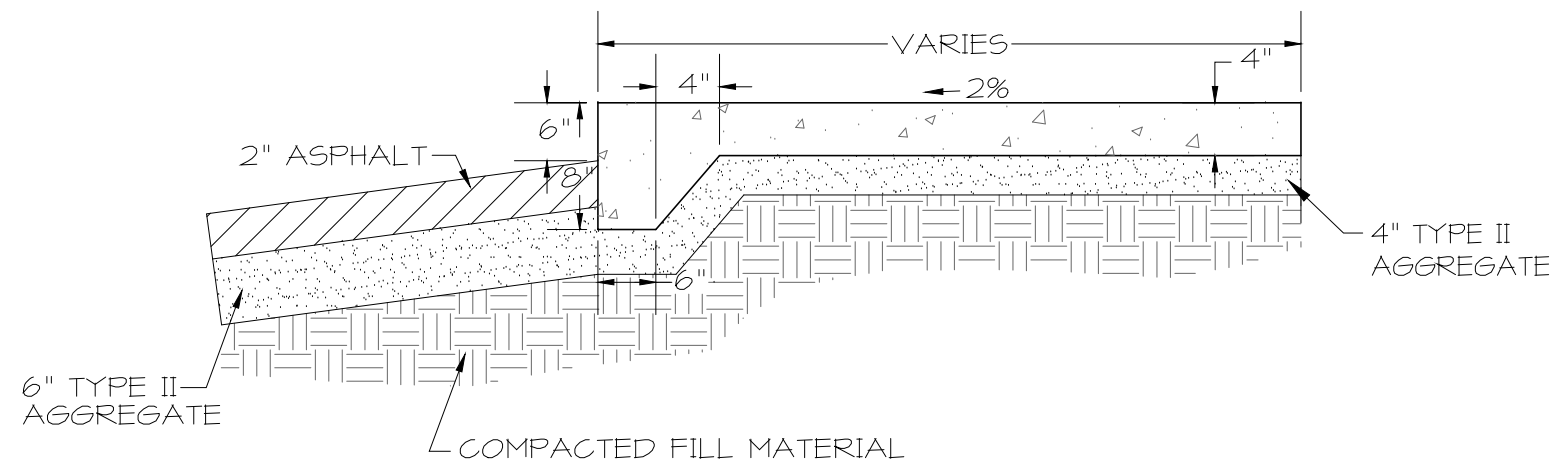
A PARKING LOT PAVEMENT
SCALE: N.T.S.



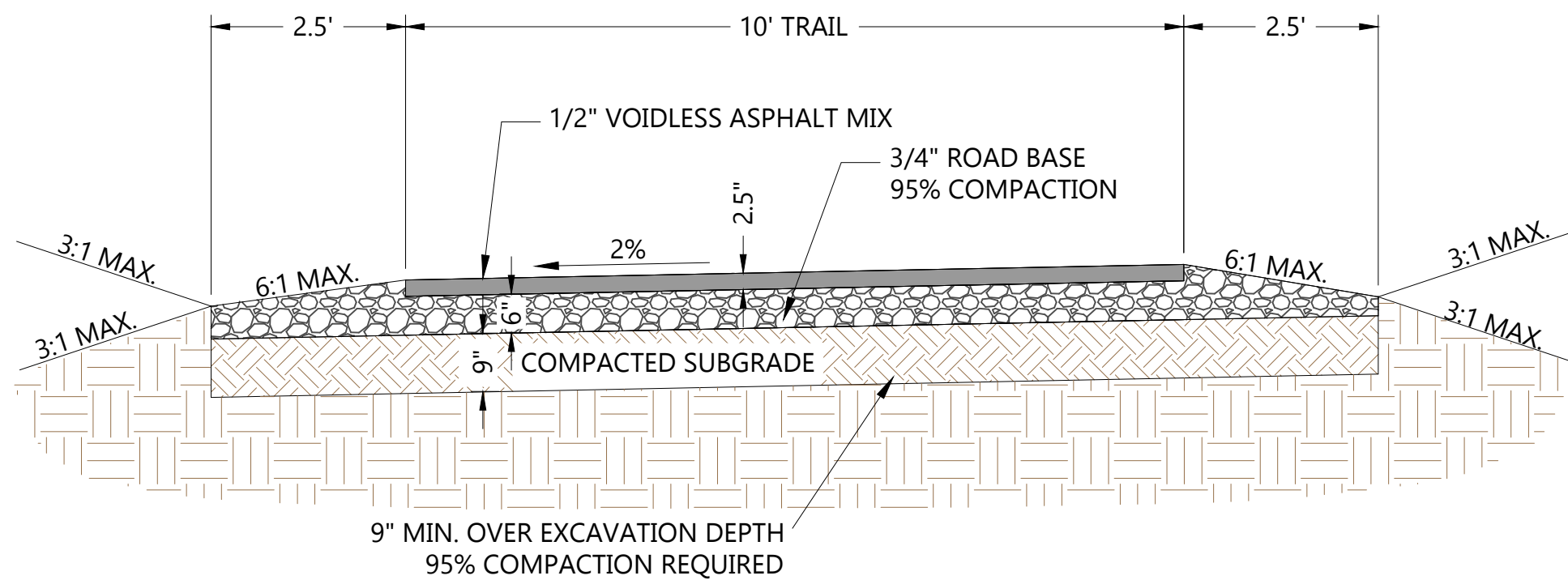
B 6" A-CURB
SCALE: N.T.S.



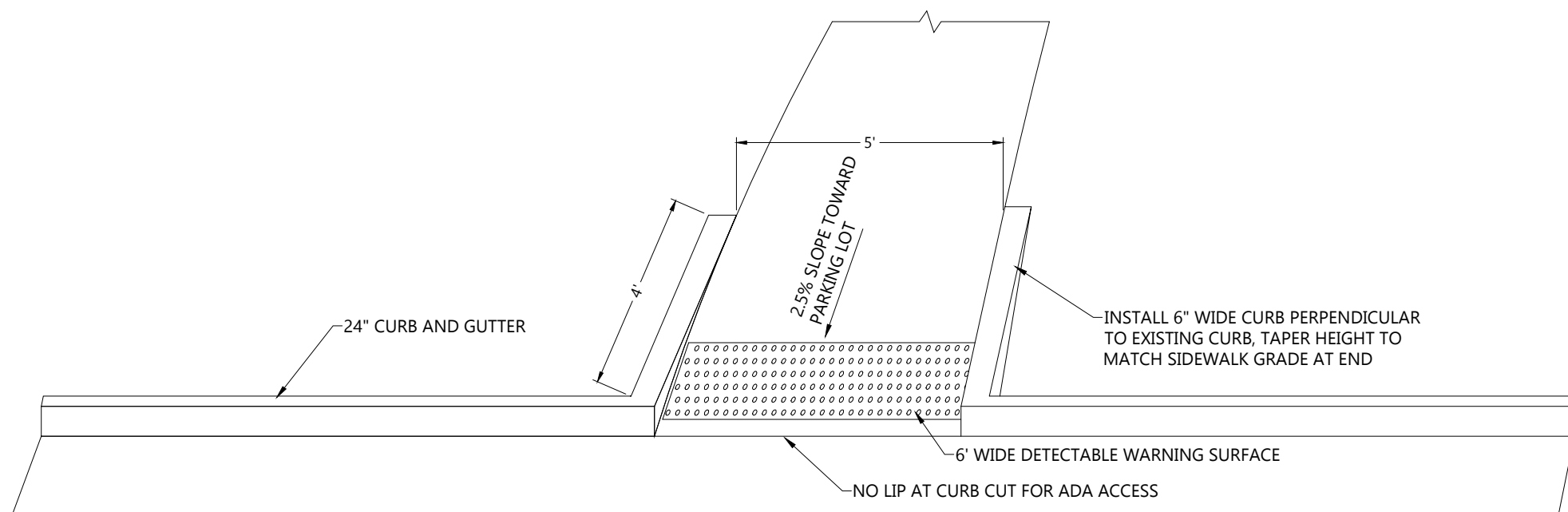
C 24" RECEIVING CURB
SCALE: N.T.S.



D THICKENED EDGE SIDEWALK
SCALE: N.T.S.



E TYPICAL TRAIL SECTION
SCALE: 1"=2'



F ADA RAMP WITH CURB RETURNS
SCALE: N.T.S.

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* DENOTES DETAILS USED FOR THIS PROJECT

RIP-RAP CONSTRUCTION NOTES

- USE ANGULAR-SHAPED ROCK FREE FROM CRACKS, OVERBURDEN, SHALE WITH A MINIMUM DENSITY OF 155 LB. PER CUBIC FT. (SPECIFIC GRAVITY = 2.50), WITH THE BREADTH OR THICKNESS OF A SINGLE STONE NOT LESS THAN ONE THIRD ITS LENGTH. FURNISH ROCK GRADED AS INDICATED IN THE TABLE. ALL ROCK RIP-RAP SHALL BE INSPECTED BY THE ENGINEER PRIOR TO INSTALLATION AND BACKFILL.
- FILTER FABRIC SHALL BE MIRIFIL 180 N 8 OZ. NON WOVEN GEO-TEXTILE OR APPROVED EQUAL. FABRIC SHALL BE PLACED AS SHOWN HEREON AND INSTALLED ACCORDING TO MANUFACTURE'S INSTRUCTIONS. CARE SHALL BE TAKEN TO PREVENT FABRIC FROM TEARING DURING ROCK PLACEMENT.
- CONTRACTOR SHALL FILL VOIDS IN RIP-RAP EROSION PROTECTION WITH SEDIMENT USING WATER JETTING OR OTHER APPROVED METHODS. ALL ROCK RIP-RAP SHALL BE INSPECTED BY THE ENGINEER PRIOR TO SEDIMENT PLACEMENT.
- ALL UNSUITABLE VEGETATION AND WOODY DEBRIS MATERIAL SHALL BE REMOVED FROM THE WORK AREA AND DISPOSED OF PROPERLY OFFSITE.
- ALL WORK SHALL COMPLY WITH THE ARMY CORPS OF ENGINEERS AND STATE OF UTAH PERMIT REQUIREMENT & CONDITIONS.
- RIP-RAP EROSION PROTECTION REPAIR TERMINATION LOCATIONS TO BE VERIFIED BY ENGINEER BASED ON FIELD CONDITIONS.

ASPHALT TRAIL NOTES

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ASPHALT: 2 1/2" THICK 3/4" ASPHALT MIX NEAR VOID-LESS (AIR VOIDS NOT TO EXCEED 1%)
BASE COURSE: 6" THICK 3/4" ROAD BASE COMPACTED TO A MIN. OF 95%.
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DATE: 5/2/2023
JOB NO.: 08610-20-014
DESIGNED BY: GRF
CHECKED BY: JWB
DWG: CONST.
DATE:
REVISIONS:
ROSENBERG
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DETAILS
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SANTA CLARA
UTAH

