

QUICK QUACK SANTAQUIN 500 EAST

SANTAQUIN, UT

VICINITY MAP



NOT TO SCALE

INDEX

- G-0 Cover Sheet
- C-1 Site Plan
- C-2 Grading Plan
- C-3 Drainage Plan
- C-4 Utility Plan
- C-5 Details
- C-6 Utility Details
- C-7 Stormwater Pollution Prevention Plan
- C-8 SWPPP Details
- L-1 Landscape Plan
- Photometric Plan

PROJECT ENGINEER:
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DEVELOPER:
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SITE DATA

LOT AREA: 58,872 SF (1.35 ACRES)
 BUILDING AREA: 4,081 SF ± 6.9%
 PAVEMENT AREA: 38,620 SF ± 65.6%
 LANDSCAPE AREA: 16,171 SF ± 27.5%

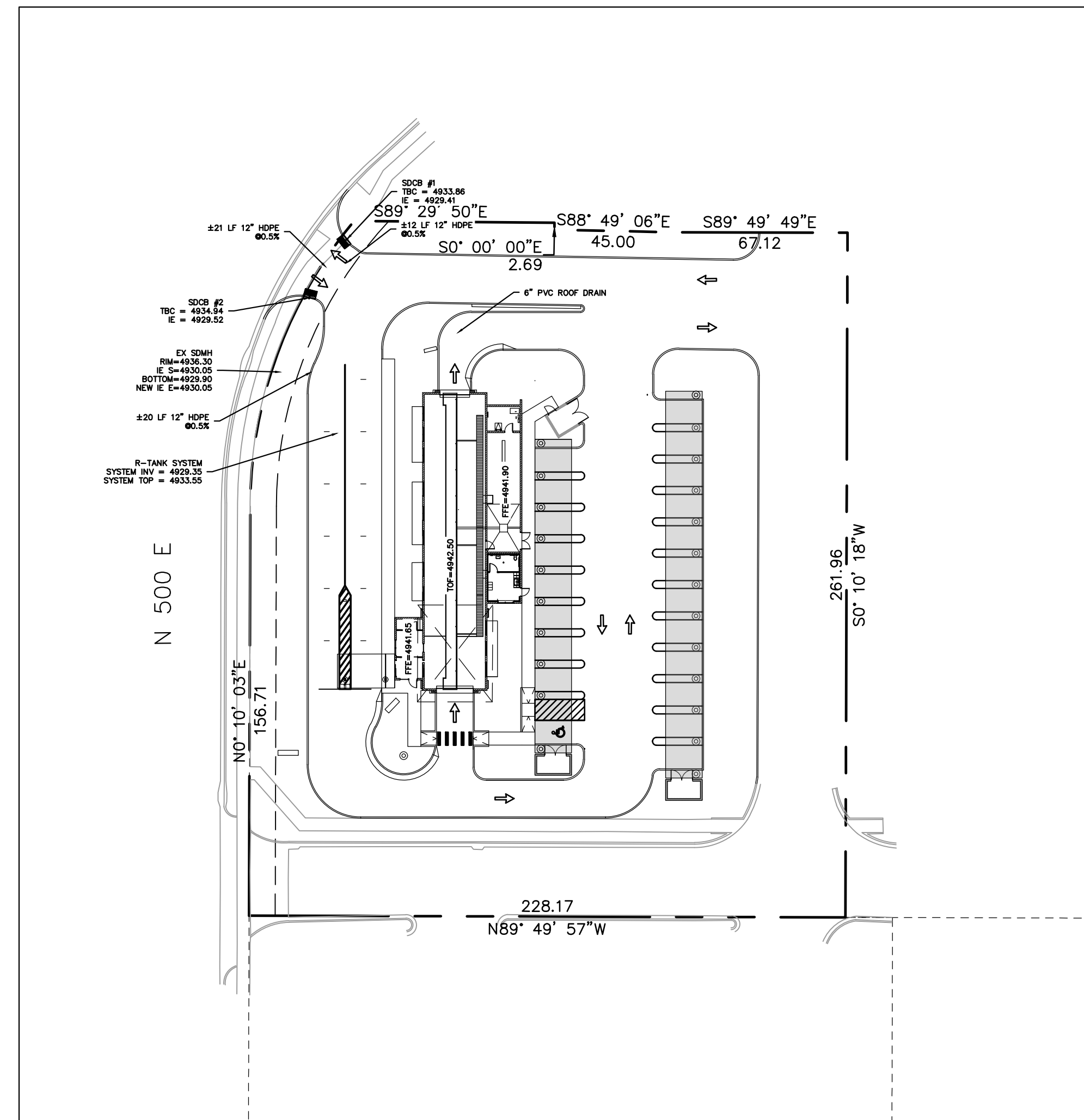
ZONING: C-1 (GENERAL COMMERCIAL)
CONDITIONAL USE
 PARCEL ID#: 517170008

NOTE: 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 ALL 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.

NOTE: ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.

LEGEND & ABBREVIATION TABLE

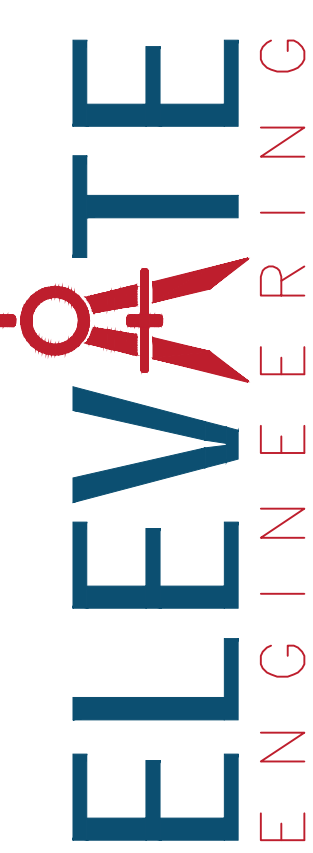
R.O.W./PROPERTY LINE		EXISTING CURB AND GUTTER	
EASEMENT LINE		PROPOSED CURB AND GUTTER	
CENTER LINE		INVERT ELEVATION	I.E.
PROPOSED TRAIL		TOP BACK CURB	TBC
PROPOSED WATER LINE		TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION		TOP OF GRATE	TOG
PROPOSED GROUND WATER DRAIN		FINISHED GRADE	FG
PROPOSED SEWER LINE		TOP OF CONCRETE	TC
PROPOSED STORM DRAIN LINE		HIGH WATER ELEVATION	HWE
EXISTING SEWER LINE		CATCH BASIN	
EXISTING WATER LINE		SURFACE FLOW DIRECTION	
EXISTING STORM DRAIN LINE		PROPOSED STREET LIGHT	
EXISTING CONTOUR		STORM DRAIN MANHOLE	
FINISHED CONTOUR		SANITARY SEWER MANHOLE	
		PROPOSED WATER VALVE	



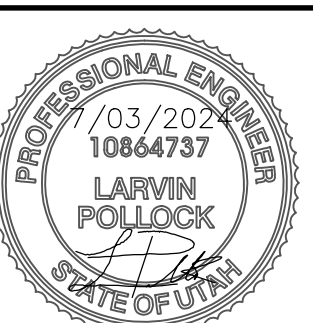
SITE MAP
 1" = 40'

NO.	REVISIONS	BY	DATE

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QUICK QUACK SANTAQUIN 500 EAST
 COVER SHEET
 78 N 500 E, SANTAQUIN UT 84655



SHEET:
G-0
 DATE:
 Jul 03, 2024

EXTERIOR FINISH SCHEDULE		
ITEM	MATERIAL	COLOR
CMU 1	SPLIT-FACE CMU	MATCH SW6081 DOWN HOME
CMU 2	SPLIT-FACE CMU	MATCH SW6107 NOMADIC DESERT
P-7	PAINTED FABRICATED STEEL	MATCH SW7048 URBANE BRONZE

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LEGEND

LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	====
PROPOSED CURB AND GUTTER	=====
STRIPING	----
BUILDING SETBACK	----
LANDSCAPE SETBACK	----
EXISTING BUILDING	----
EXISTING FENCE	-x-
TOP BACK OF CURB	TBC
FINISHED FLOOR ELEVATION	FFE
LANDSCAPE AREA	[Pattern]
CONCRETE AREA	[Pattern]
CANOPY	[Pattern]

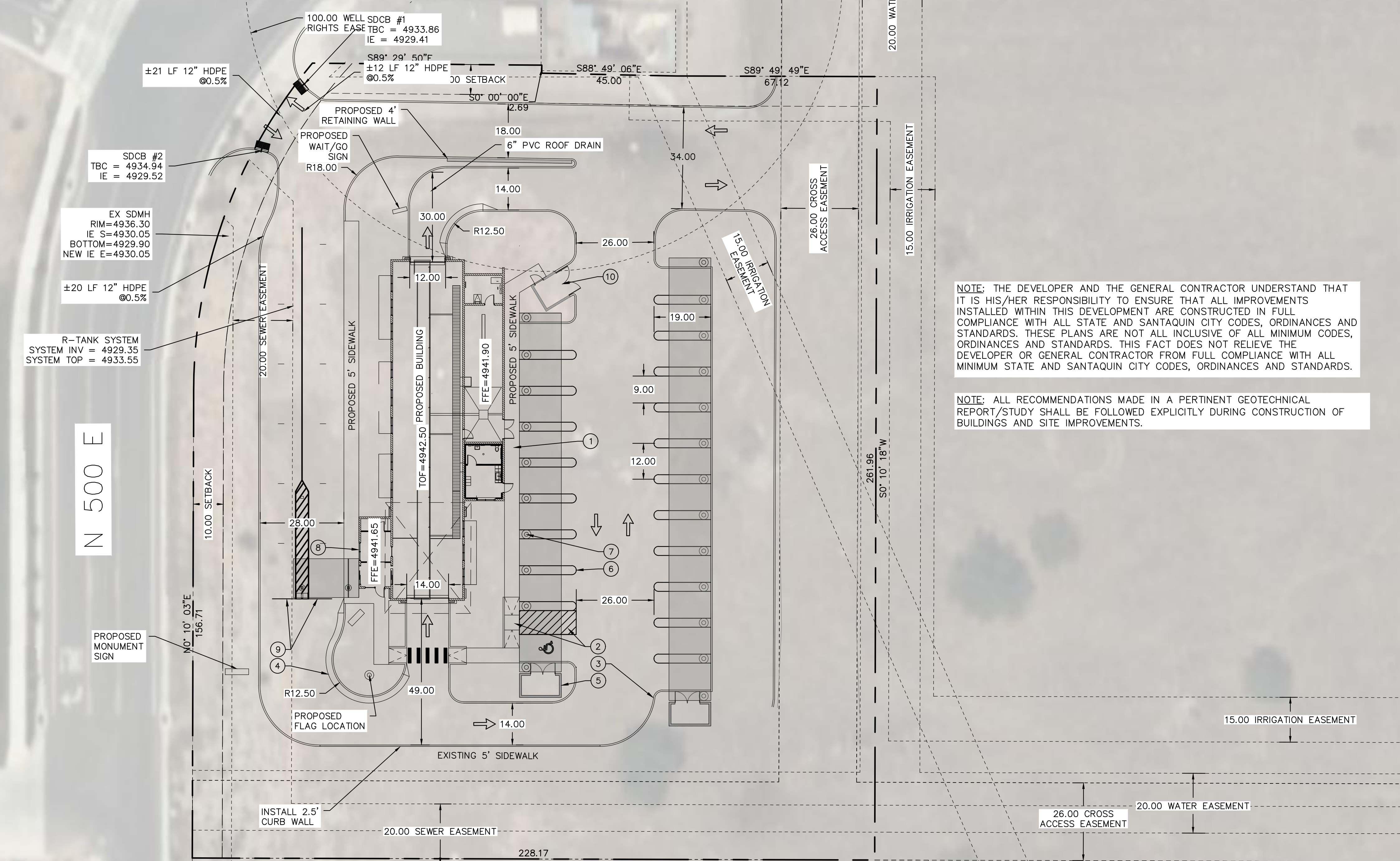
SITE DATA	
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BUILDING AREA:	4,081 SF ± 6.9%
PAVEMENT AREA:	38,620 SF ± 65.6%
LANDSCAPE AREA:	16,171 SF ± 27.5%
ZONING: C-1 (GENERAL COMMERCIAL) CONDITIONAL USE	
PARCEL ID#: 517170008	
BUILDING DATA	
CONSTRUCTION TYPE: V-B	
SPRINKLERS: NO	
SETBACKS:	
FRONT=10 FEET	
REAR=10 FEET	
SIDE=10 FEET	
PARKING TABULATION	
REQUIRED:	5 STALLS PER 1,000 SF
PROVIDED:	3 STALLS
	1 ADA STALL
VACUUM STALLS:	21 STALLS
TUNNEL LENGTH:	114 FEET
STACKING:	14 STALLS

- NOTES:**
- PROPOSED 5' SIDEWALK PER DRAWING NO. CG5. SEE SHEET C-5 FOR DETAILS.
 - ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER DRAWING NO. CG1. SEE SHEET C-5 FOR DETAILS.
 - PROPOSED CURB & GUTTER TYPE E PER DRAWING NO. CG4. SEE SHEET C-5 FOR DETAILS.
 - PROPOSED ROLL CURB PER CURB & GUTTER TRANSITION DETAIL. SEE SHEET C-5 FOR DETAILS.
 - CONSTRUCT VACUUM ENCLOSURE WITH CONCRETE PAD AND APRON. INSTALL OWNER PROVIDED VACUUM EQUIPMENT, UNDERGROUND TRUNK LINES, PIPING, ETC. COORDINATE WITH ARCHITECTURAL PLANS.
 - PAINT 4" SOLID YELLOW PAINT STRIPE AS SHOWN (TYPICAL).
 - INSTALL OWNER PROVIDED "TOMMY BALL" PLANTERS/GARBAGE RECEPTACLE (TYPICAL). COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
 - INSTALL OWNER PROVIDED PAY STATIONS WITH CANOPY. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS.
 - INSTALL OWNER PROVIDED GATES AND LOOP DETECTION SYSTEM. COORDINATE TIMING OF INSTALLATION PRIOR TO CONSTRUCTION OF PAVEMENT. SEE ARCHITECTURAL PLANS FOR DETAILS.
 - PROPOSED DUMPSTER LOCATION. SEE SHEET C-5 FOR DETAILS.

- GENERAL NOTES:**
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
 - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
 - ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
 - ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
 - ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
 - SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
 - ALL WORK TO BE ACCORDING TO CITY STANDARDS.

NOTE: 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 ALL 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.

NOTE: ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.



CALL BEFORE YOU DIG
800 485 5111

PROFESSIONAL ENGINEER
LARVIN POLLOCK
STATE OF UTAH

SCALE: 1" = 20'

0 10 20 30 40 50 60

PROJECT ENGINEER: LP
DESIGNER: GB

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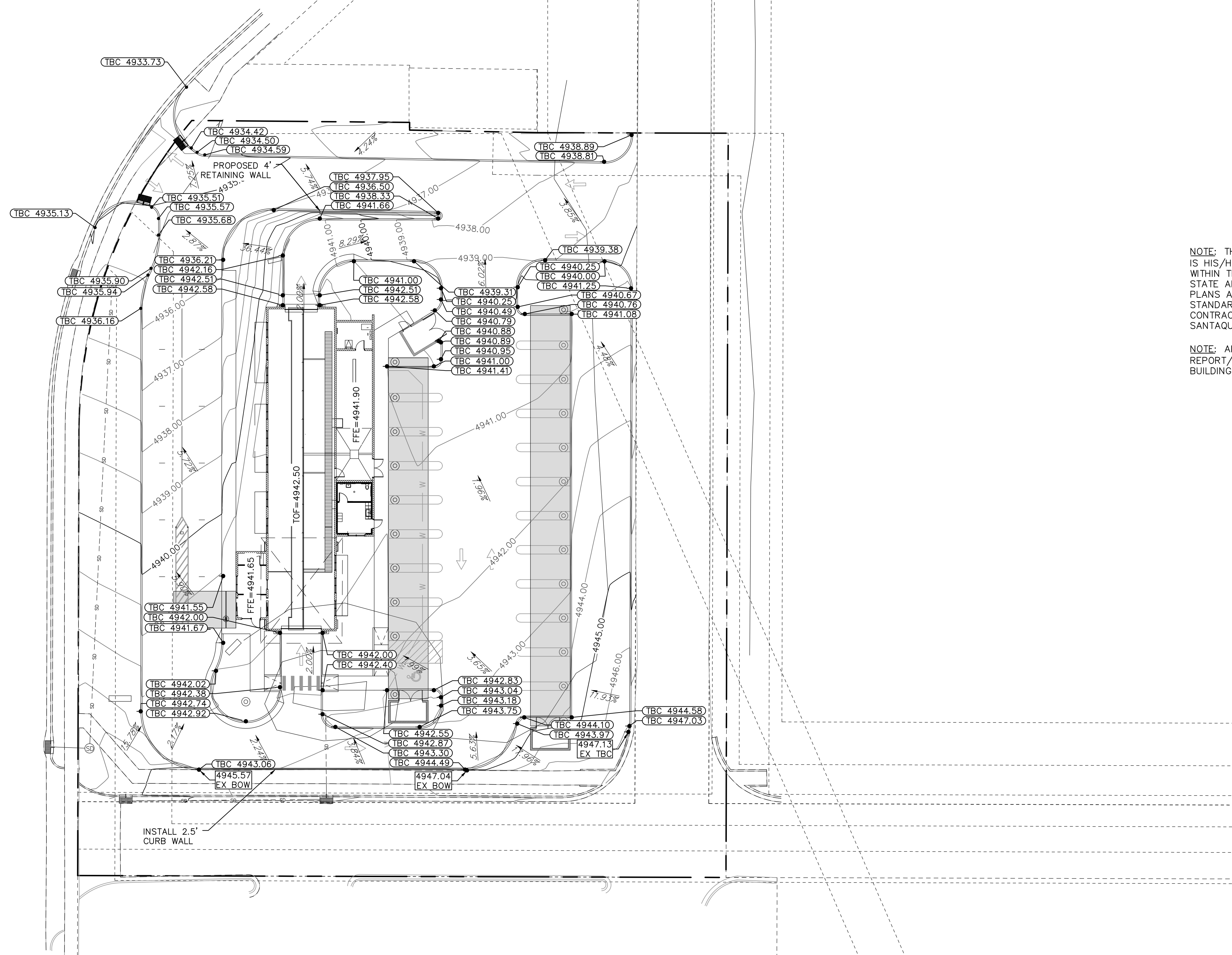
QUICK QUACK SANTAQUIN 500 EAST
SITE PLAN
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
LARVIN POLLOCK
STATE OF UTAH

SHEET:
C-1

DATE:
Jul 09, 2024

N 500 E



LEGEND

LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	— — — — —
PROPOSED CURB AND GUTTER	=====
PROPOSED STORM DRAIN LINE	—SD—SD—SD—
EXISTING STORM DRAIN LINE	- -SD - -SD - -SD - -
GRADE BREAK	--- GRADE BREAK ---
FINISH GRADE CONTOUR LINES	—4960—
EXISTING GRADE CONTOUR LINES	- -4960 - -
FINISH GRADE SLOPE	↑ SLOPE

GRADE BREAK	GB
INVERT ELEVATION	IE
TOP OF GRATE	TOG
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
BACK OF SIDEWALK	BOW
EDGE OF ASPHALT	EOA
TOP OF FOUNDATION	TOF

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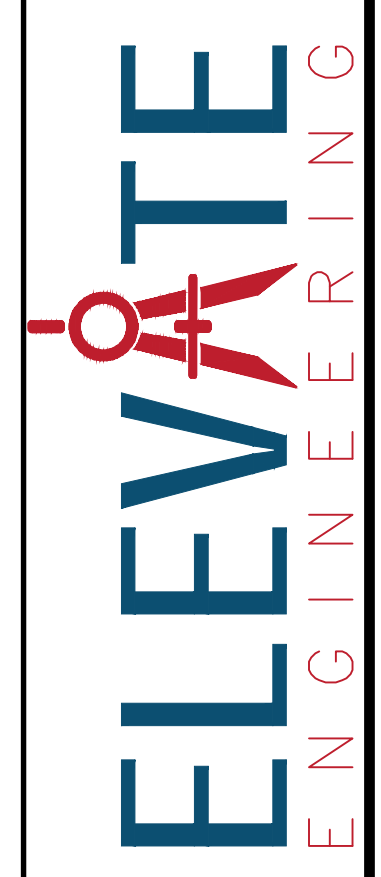
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SCALE: 1" = 20'

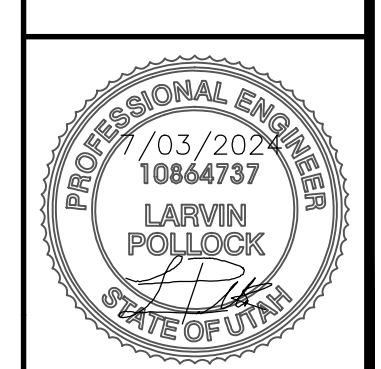
NORTH

NO.	REVISIONS	BY	DATE

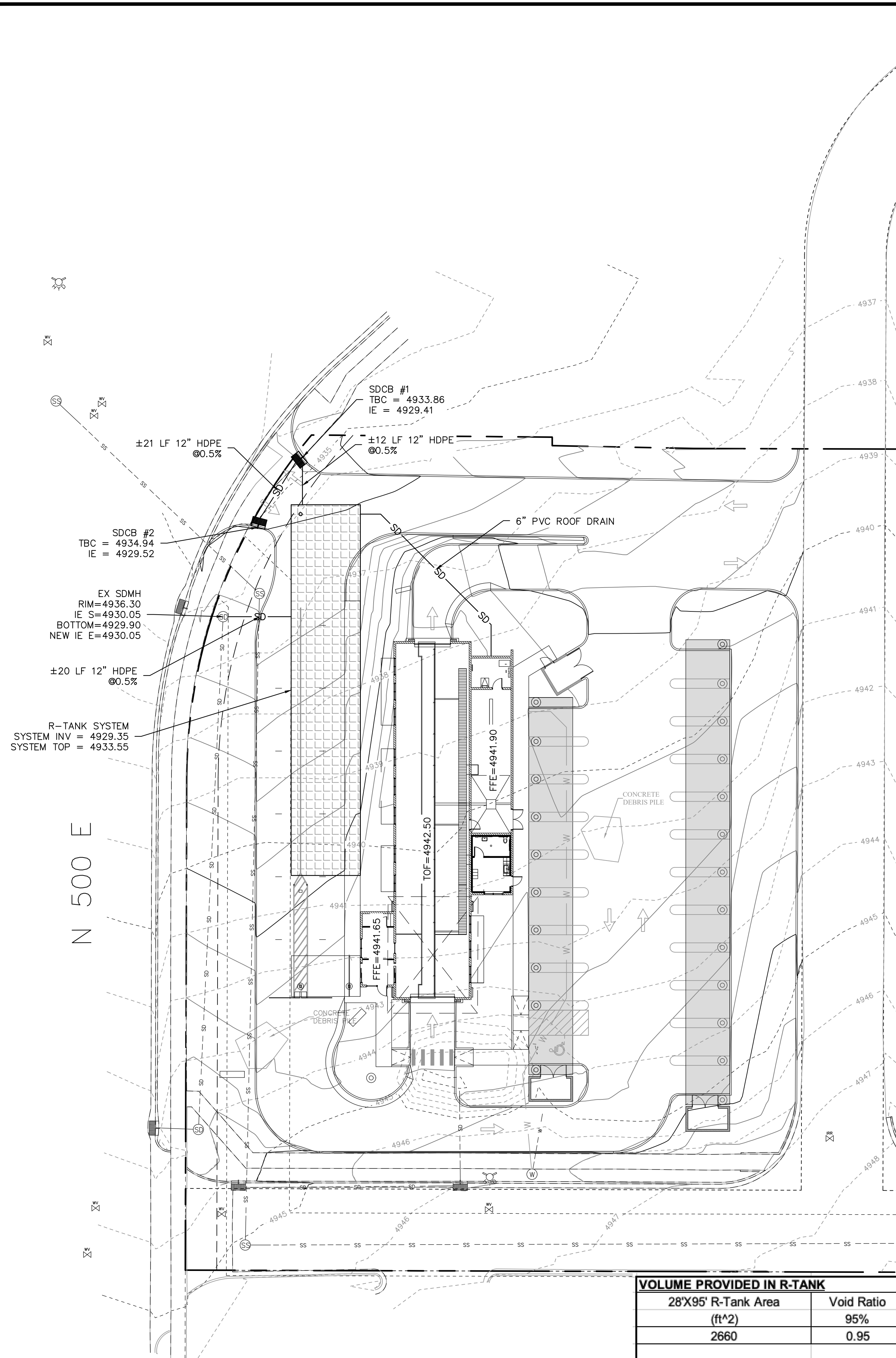
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QUICK QUACK SANTAQUIN 500 EAST
 GRADING PLAN
 78 N 500 E, SANTAQUIN UT 84655



SHEET:
C-2
 DATE: Jul 03, 2024



SDCB #1
TBC = 4933.86
IE = 4929.41

±21 LF 12" HDPE
@0.5%

±12 LF 12" HDPE
@0.5%

SDCB #2
TBC = 4934.94
IE = 4929.52

EX SDMH
RIM=4936.30
IE S=4930.05
BOTTOM=4929.90
NEW IE=4930.05

±20 LF 12" HDPE
@0.5%

R-TANK SYSTEM
SYSTEM INV = 4929.35
SYSTEM TOP = 4933.55

6" PVC ROOF DRAIN

CONCRETE DEBRIS PILE

TOF=4942.50

FFE=4941.90

FFE=4941.65

LEGEND

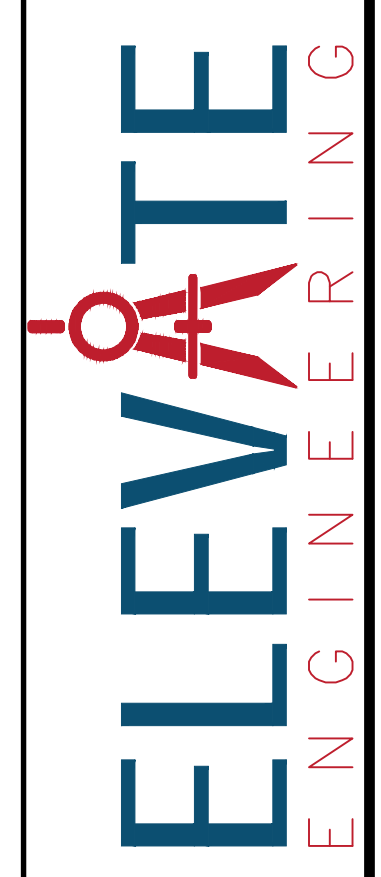
- LOT LINES (PROPERTY)
 - EXISTING CURB AND GUTTER
 - PROPOSED CURB AND GUTTER
 - PROPOSED STORM DRAIN LINE
 - EXISTING STORM DRAIN LINE
 - GRADE BREAK
 - FINISH GRADE CONTOUR LINES
 - EXISTING GRADE CONTOUR LINES
 - DRAINAGE FLOW ARROWS
-
- GRADE BREAK GB
 - INVERT ELEVATION IE
 - TOP OF GRATE TOG
 - TOP OF ASPHALT TA
 - TOP BACK OF CURB TBC
 - EXISTING EX
 - FINISHED GRADE FG
 - FINISHED FLOOR ELEVATION FFE
 - BACK OF SIDEWALK BOW
 - EDGE OF ASPHALT EOA
 - TOP OF FOUNDATION TOF

DRAINAGE CALCS FOR QUICK QUACK SANTAQUIN					
100 Year Flood Design					
Release Rate=	0.00 cfs/acre				
POST-DEVELOPED	Runoff Coefficient				
Roof Area	4081 ft ²	C_roof	0.85		
Paved Area	37507 ft ²	C_paved	0.95		
Landscaped	17223 ft ²	C_landscaped	0.15		
Total Area	58811 ft ²	Weighted C	0.71		
	1.35 acres	CA :	41684 ft ²		
POST-DEVELOPED					
Lapsed Time (min)	Accum Rainfall (in)	"CA" (ft ²)	Accum Flow (ft ³)	Allowable Release (ft ³)	Required Storage (ft ³)
5	0.53	41684	1841	0	1841
10	0.806	41684	2800	0	2800
15	1	41684	3474	0	3474
30	1.35	41684	4689	0	4689
60	1.67	41684	5801	0	5801
120	1.86	41684	6461	0	6461
180	1.91	41684	6635	0	6635
360	2.07	41684	7190	0	7190
720	2.4	41684	8337	0	8337
1440	3.03	41684	10525	0	10525
				Total Storage Required:	10525

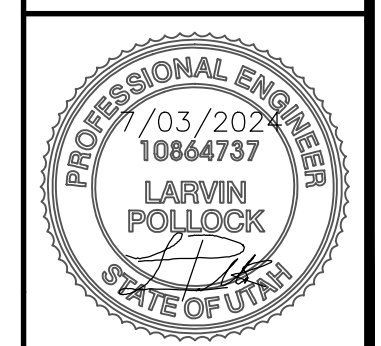
VOLUME PROVIDED IN R-TANK				
28'X95' R-Tank Area (ft ²)	Void Ratio	Depth (ft)	Volume/LF (ft ³)/LF	Total Volume (ft ³)
2660	0.95	4.2	2527.00	10613.40
Total Individual R-TANK Volume=				10613
Number of R-TANK Systems				1
Total Volume Provided Within R-TANK Systems				10613

NO.	REVISIONS	BY	DATE

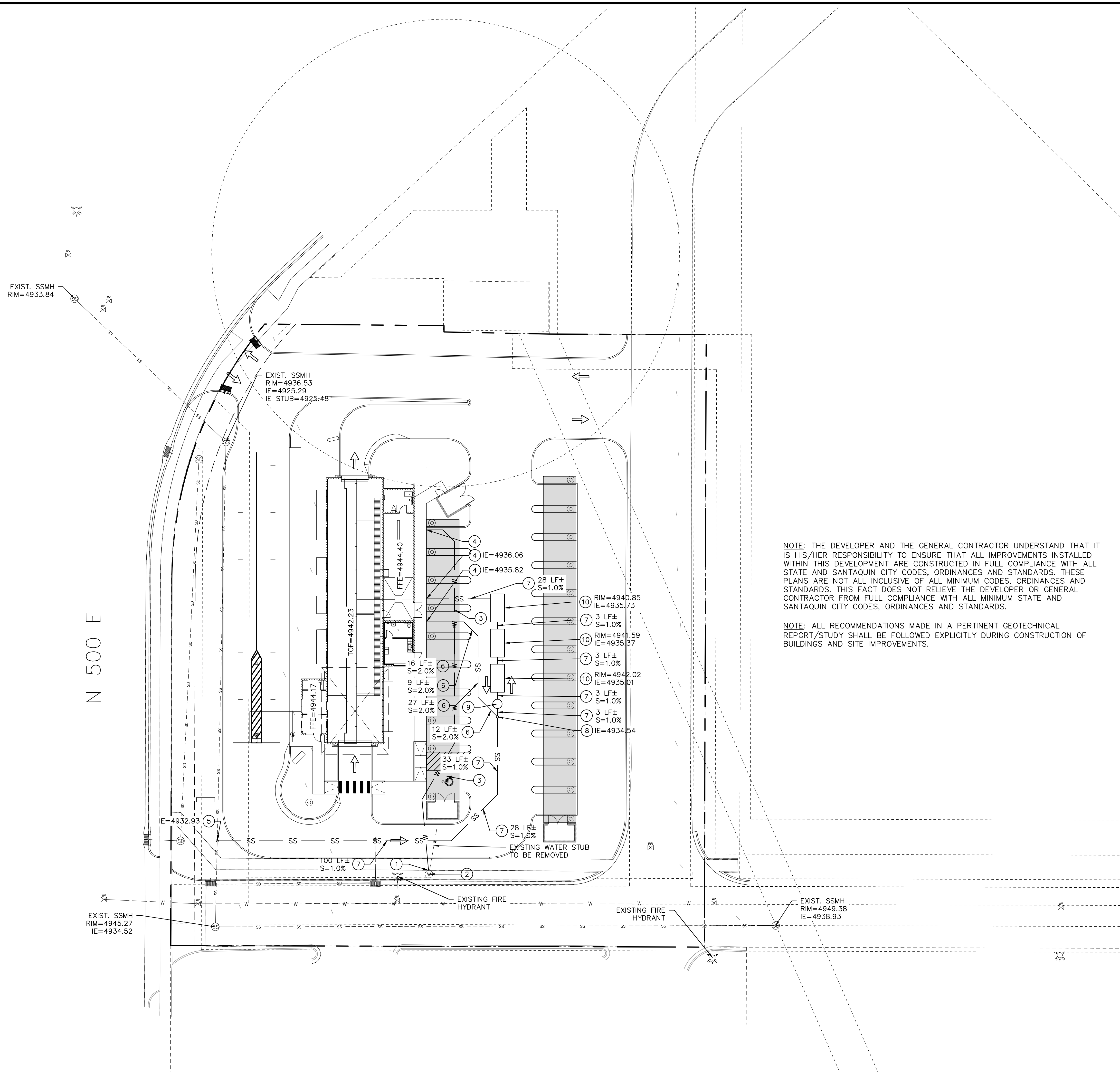
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QUICK QUACK SANTAQUIN 500 EAST
DRAINAGE PLAN
78 N 500 E, SANTAQUIN UT 84655



SHEET: C-3
DATE: Jul 03, 2024



LEGEND

PROPERTY/ROW LINE	---
EXISTING CURB AND GUTTER	====
PROPOSED CURB AND GUTTER	====
PROPOSED STORM DRAIN LINE	---SD---SD---SD---
EXISTING STORM DRAIN LINE	---SD---SD---SD---
PROPOSED SEWER LINE	---SS---SS---SS---
EXISTING SEWER LINE	---SS---SS---SS---
PROPOSED WATER LINE	---W---W---
EXISTING WATER LINE	---W---W---W---
INVERT ELEVATION	IE
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
TOP OF FOUNDATION	TOF

DESIGN NOTES:

- 1 CONNECT TO EXISTING WATER METER PER CITY STANDARDS.
- 2 EXISTING 2" WATER METER.
- 3 INSTALL 2" POLY WATER LINE PER CITY STANDARDS.
- 4 END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- 5 CONNECT TO EXISTING SEWER MAIN PER APWA PLAN 431. SEE SHEET C-5 FOR DETAILS. CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO ANY CONSTRUCTION.
- 6 INSTALL 4" PVC SDR-35 SEWER PIPE AT 2% MIN. SLOPE.
- 7 INSTALL 6" PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE.
- 8 INSTALL 6" CLEANOUT.
- 9 INSTALL 48" SANITARY SEWER SAMPLING MANHOLE PER APWA PLAN 411. SEE SHEET C-5 FOR DETAILS. RIM=4942.50 IE IN=4934.65 IE OUT= 4934.57
- 10 INSTALL 1500 GAL. GREASE INTERCEPTOR/RECLAIM TANKS. INSTALL 3' OF 6" PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE BETWEEN TANKS. COORDINATE WITH PLUMBING PLANS FOR DETAILS.

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GENERAL NOTES:

1. CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
2. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
3. ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
4. ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
5. ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
6. SEE GRADING AND DRAINAGE PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
7. ALL WORK TO BE ACCORDING TO CITY STANDARDS.

CALL BEFORE YOU DIG!
BLUE STAKES 1 800 852 6711

NORTH

SCALE: 1" = 20'

NO.	REVISIONS	BY	DATE

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ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST

UTILITY PLAN

78 N 500 E, SANTAQUIN UT 84655

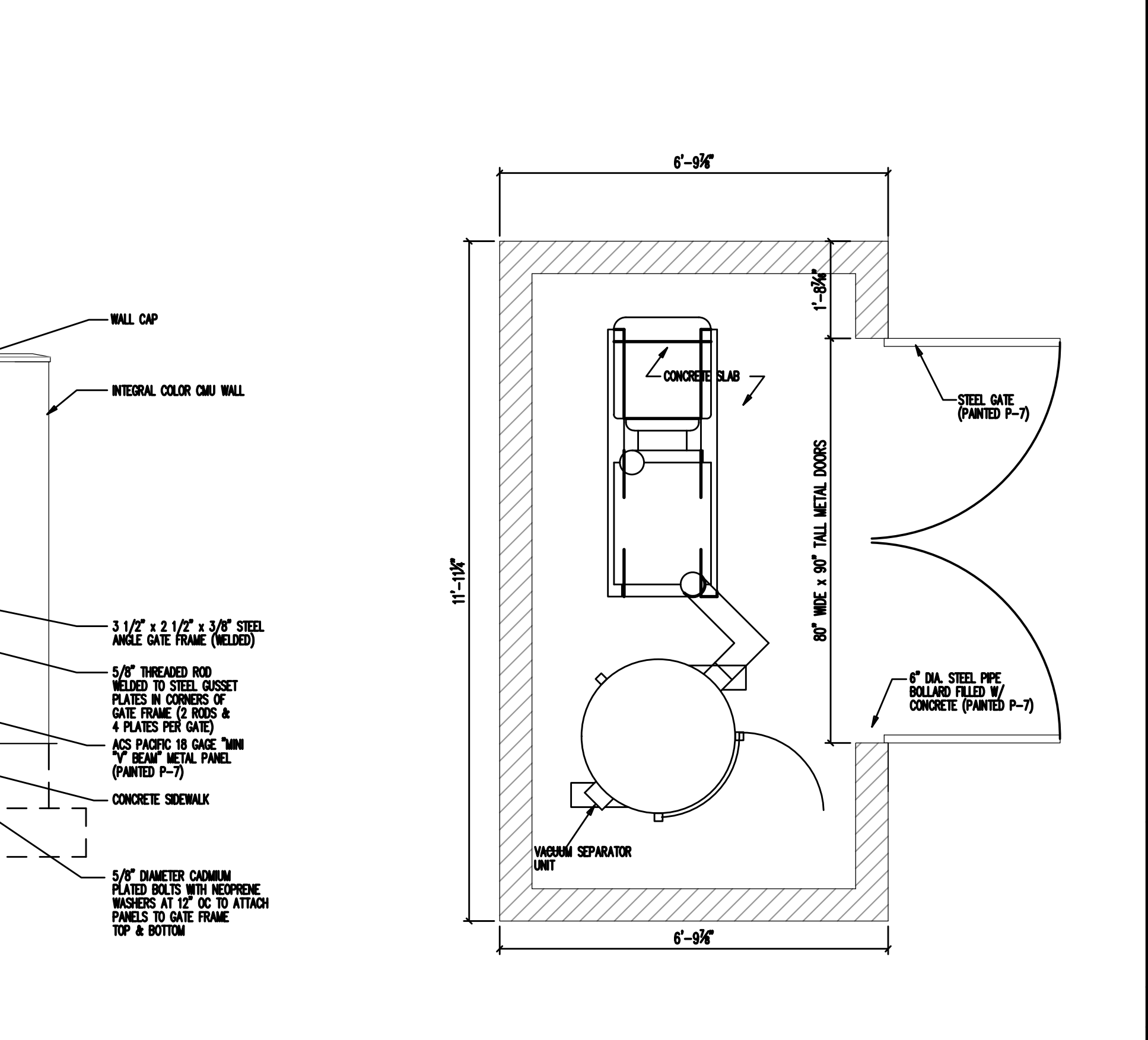
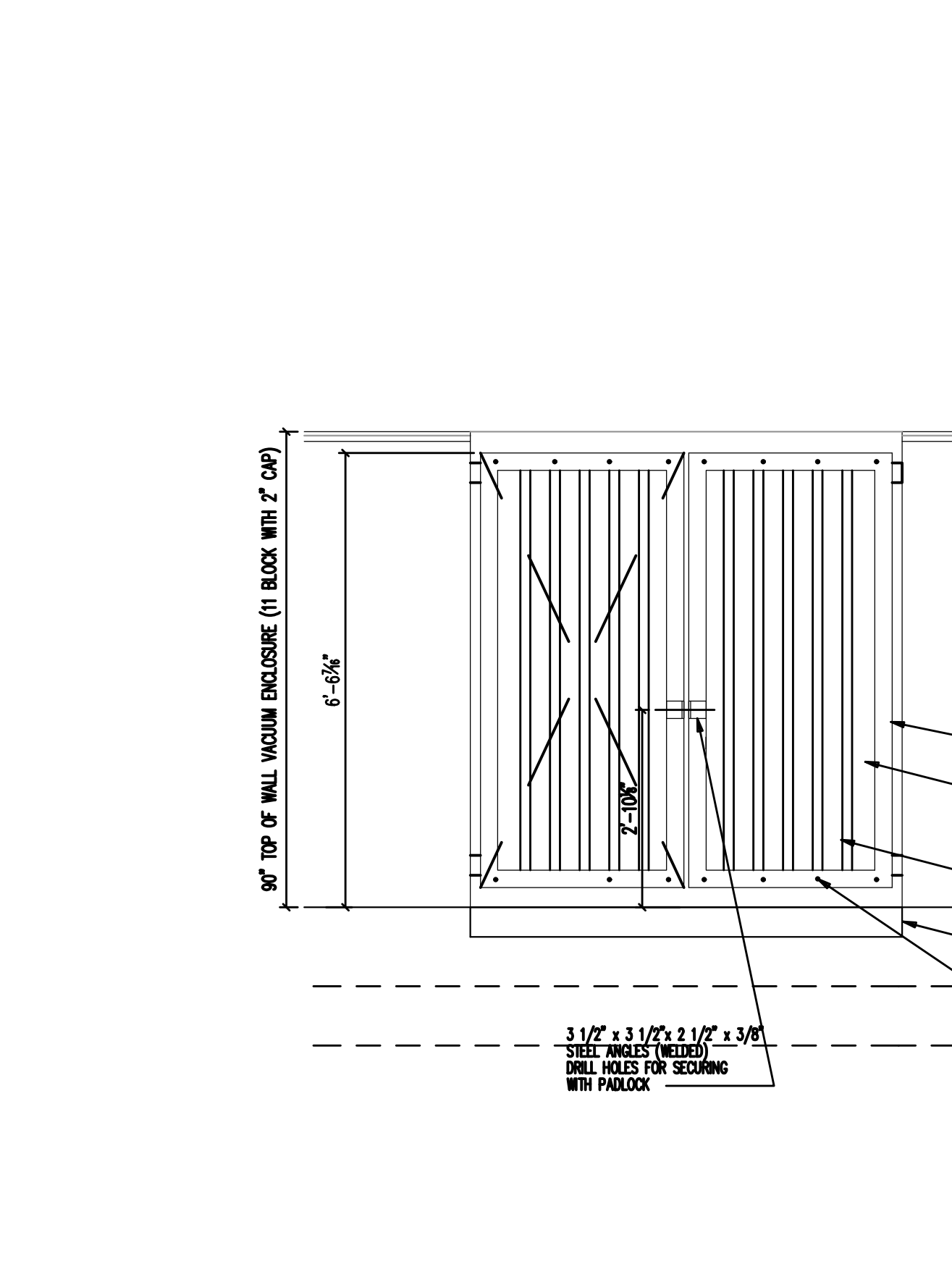
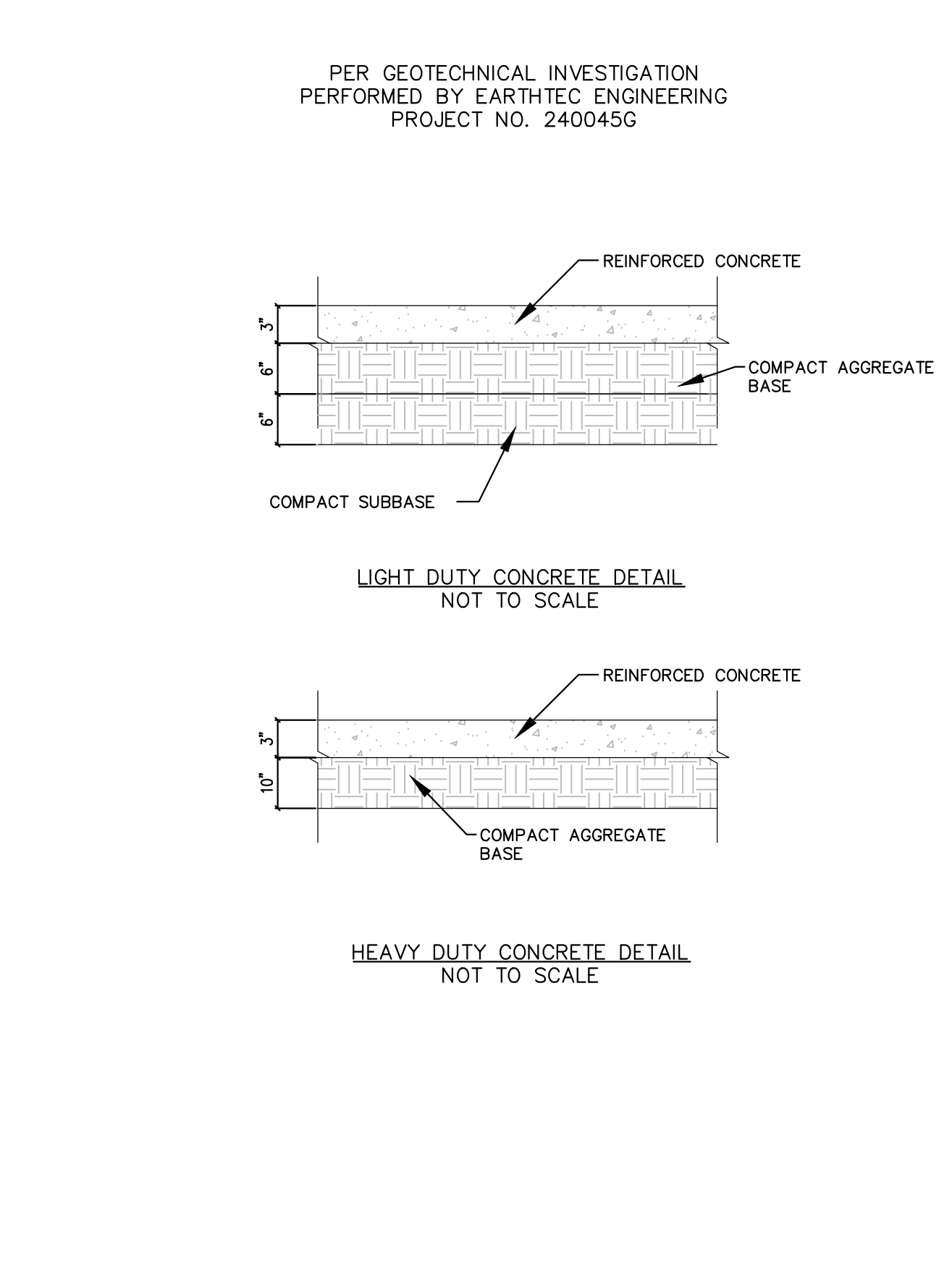
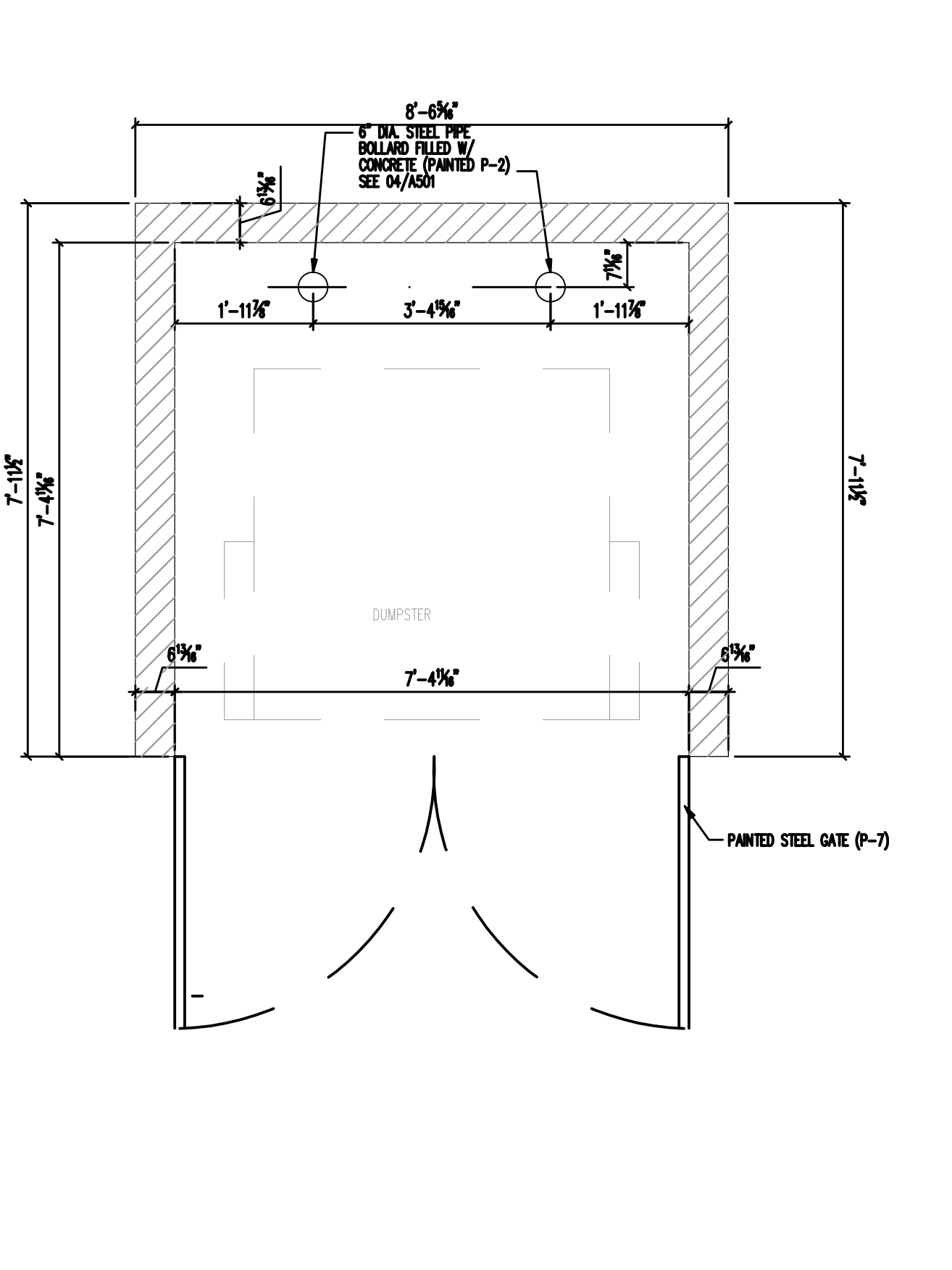
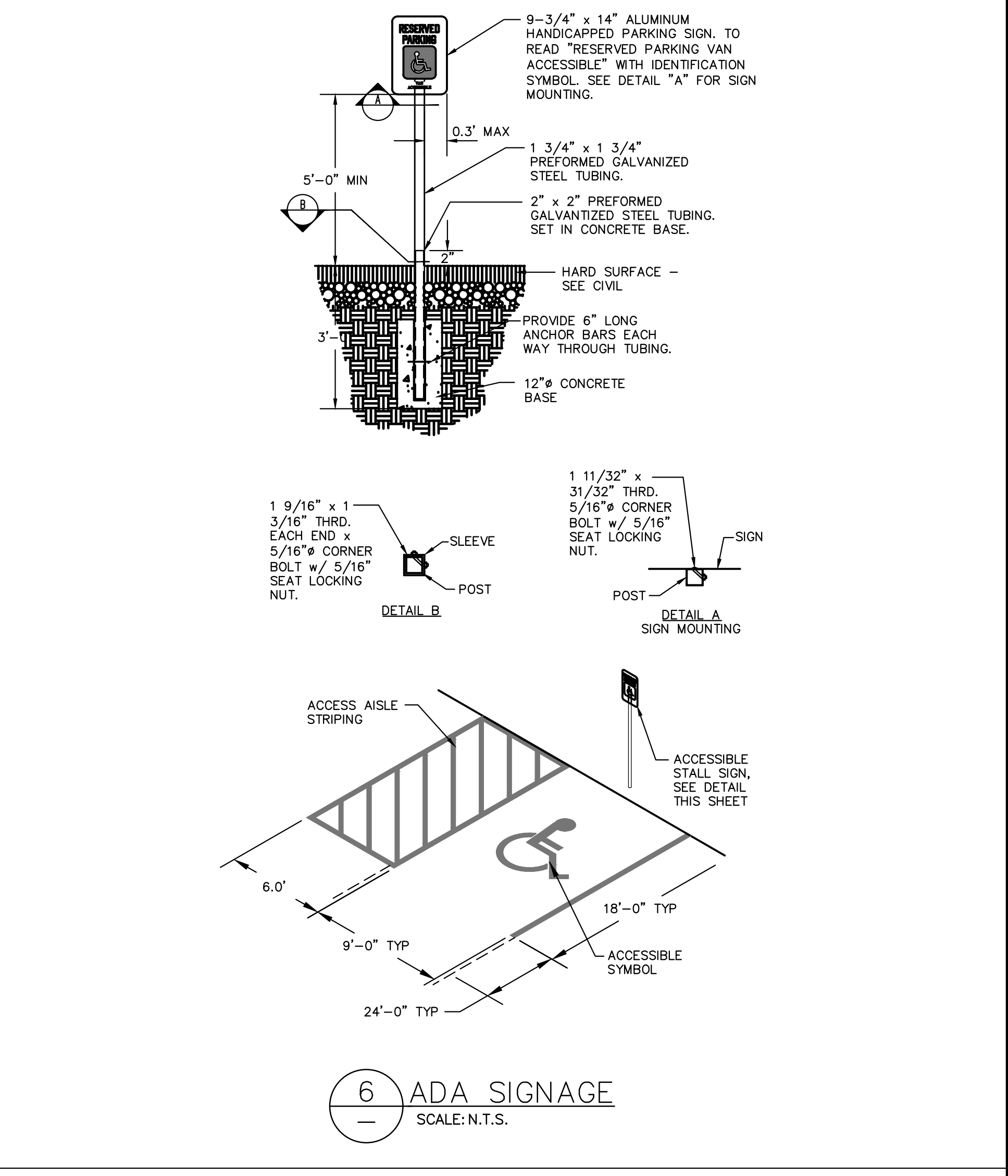
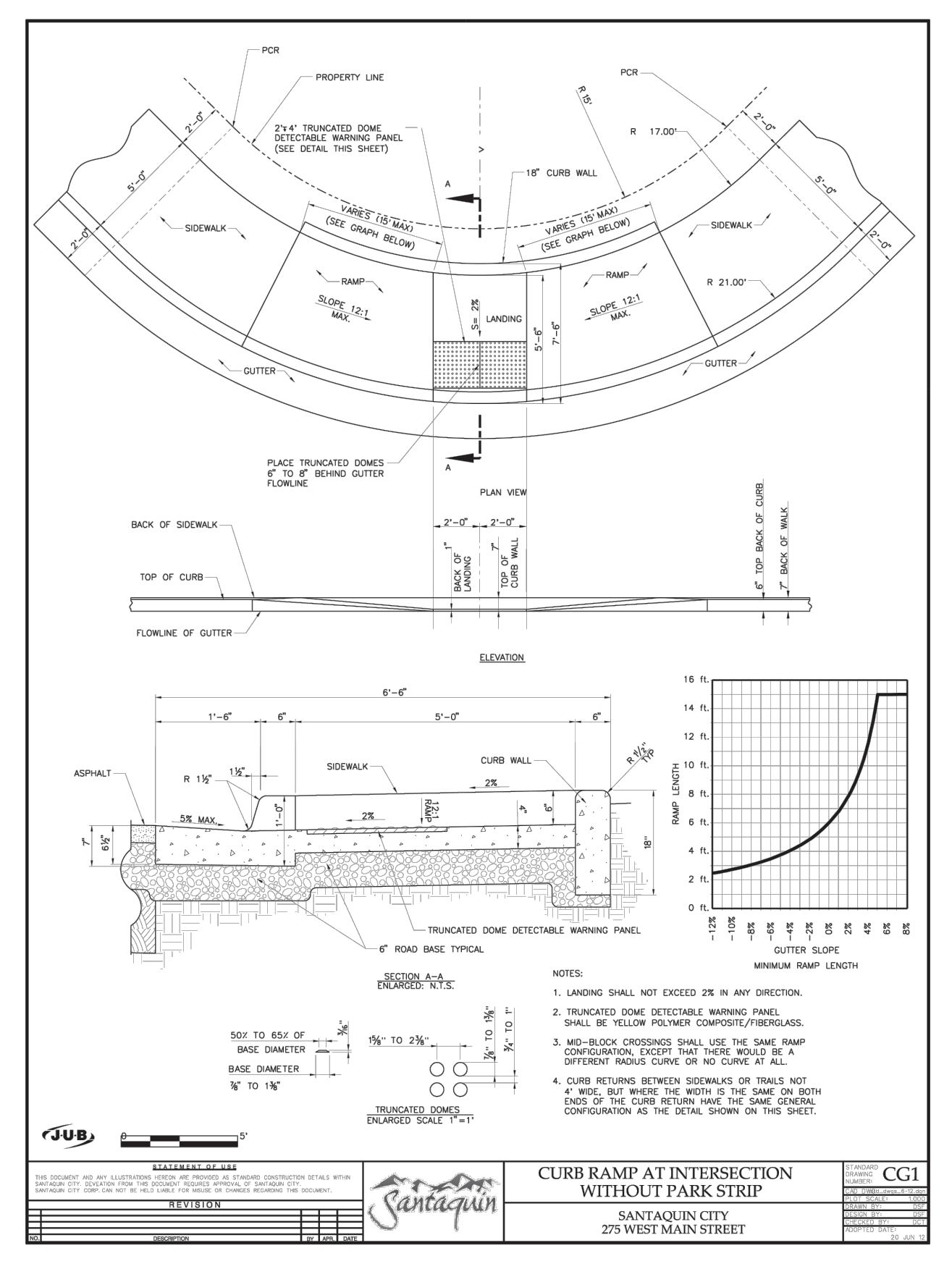
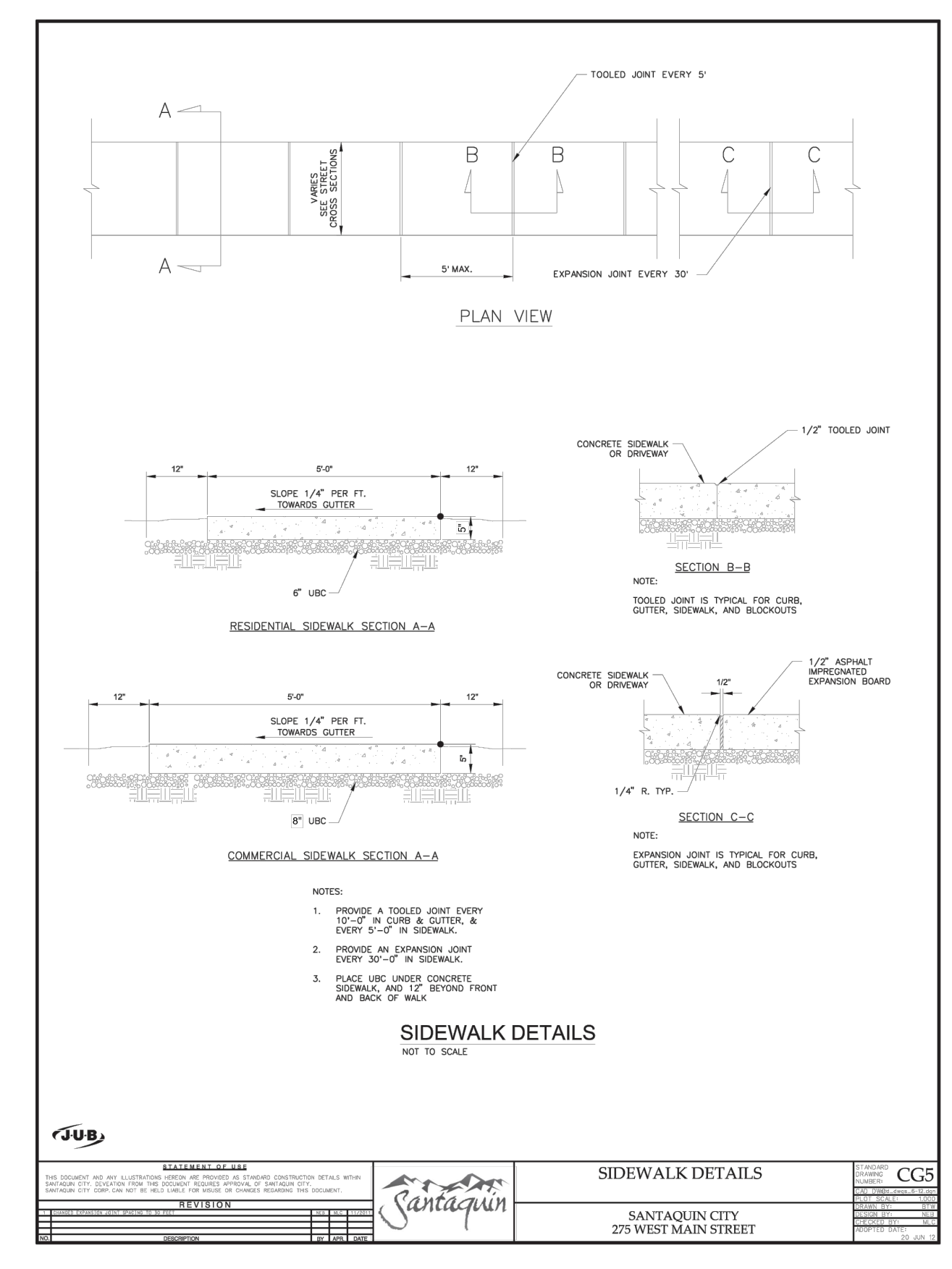
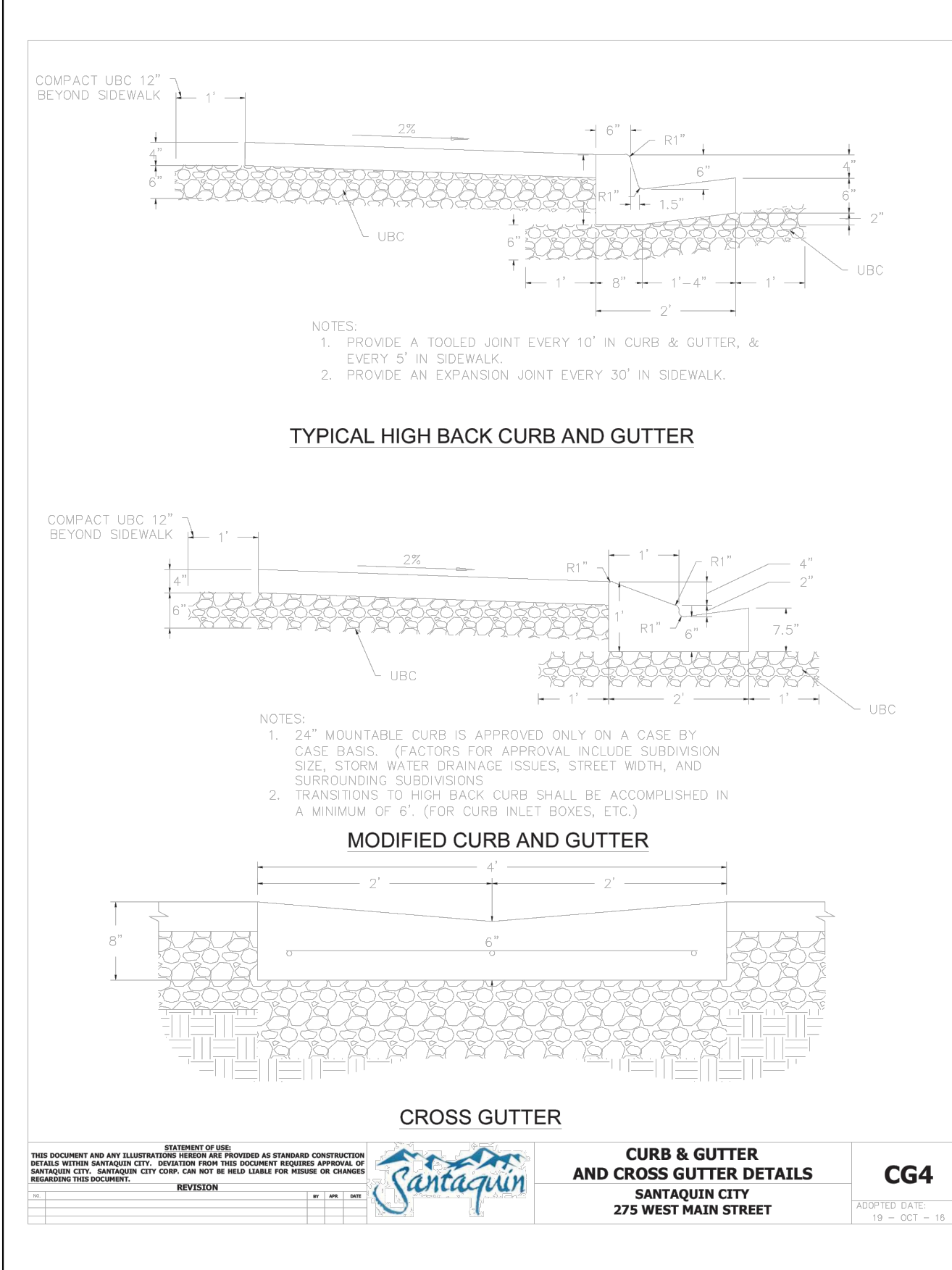
PROFESSIONAL ENGINEER

03/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET:

C-4

DATE: Jul 03, 2024



NO.	REVISIONS	BY	DATE

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levateengineering.com

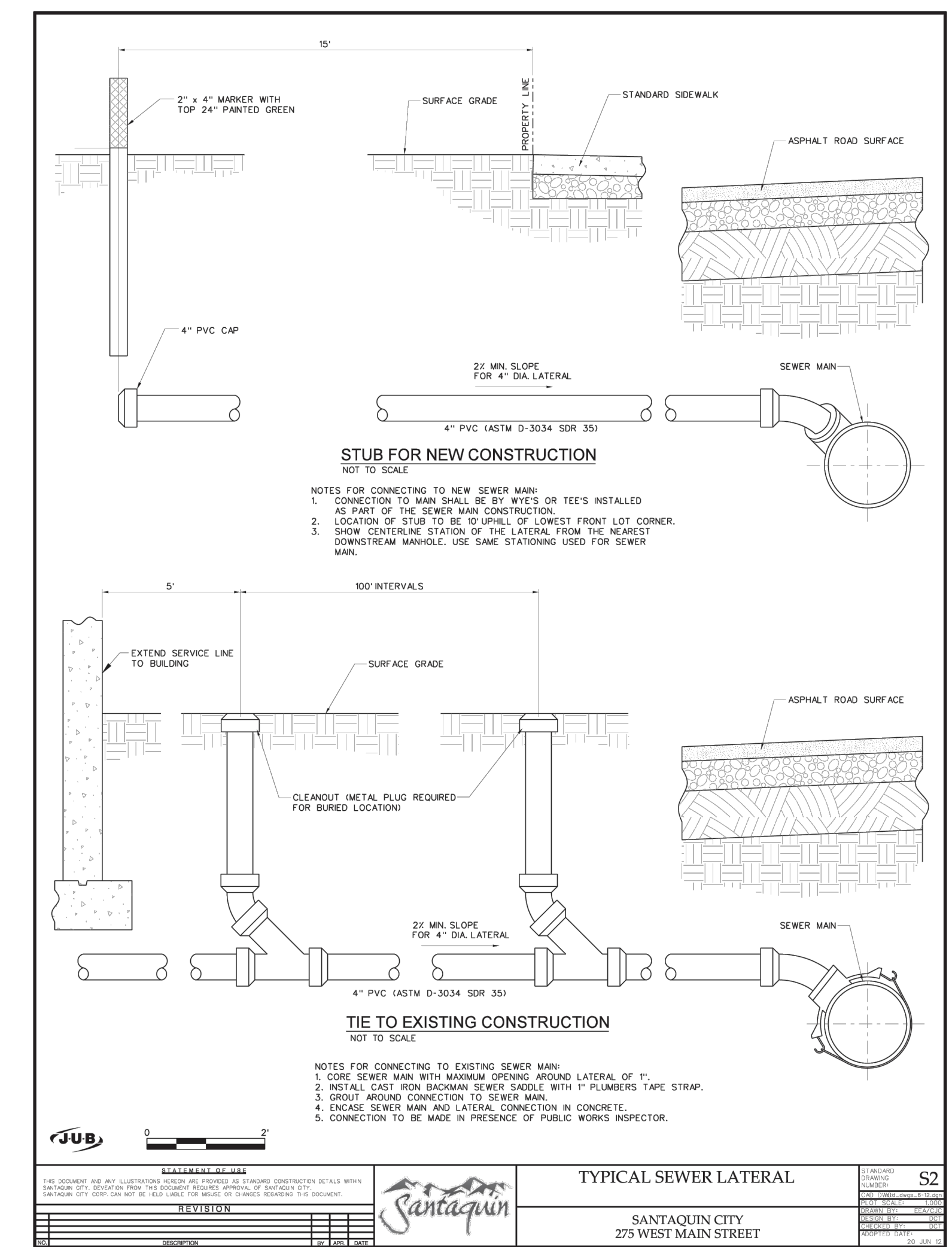
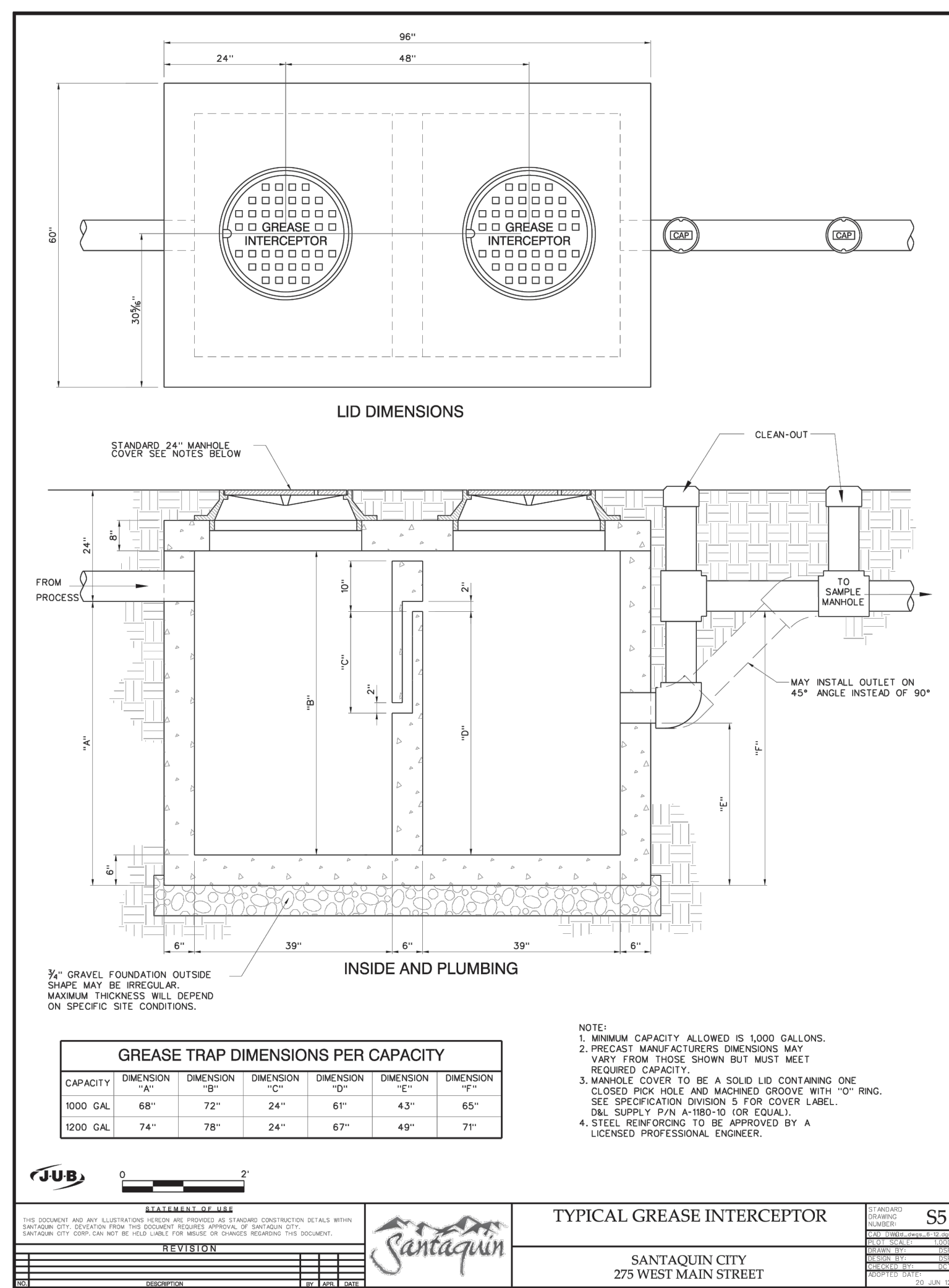
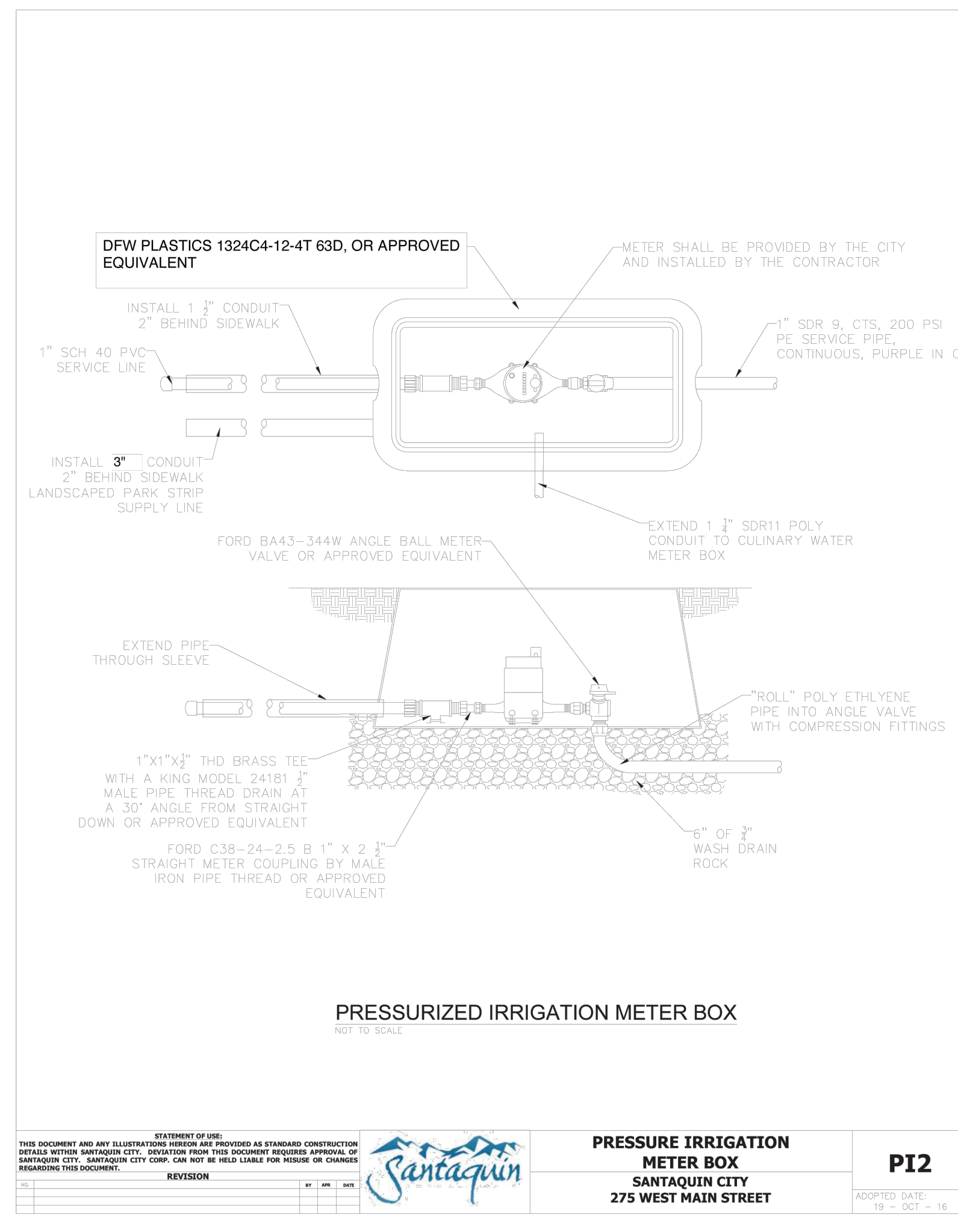
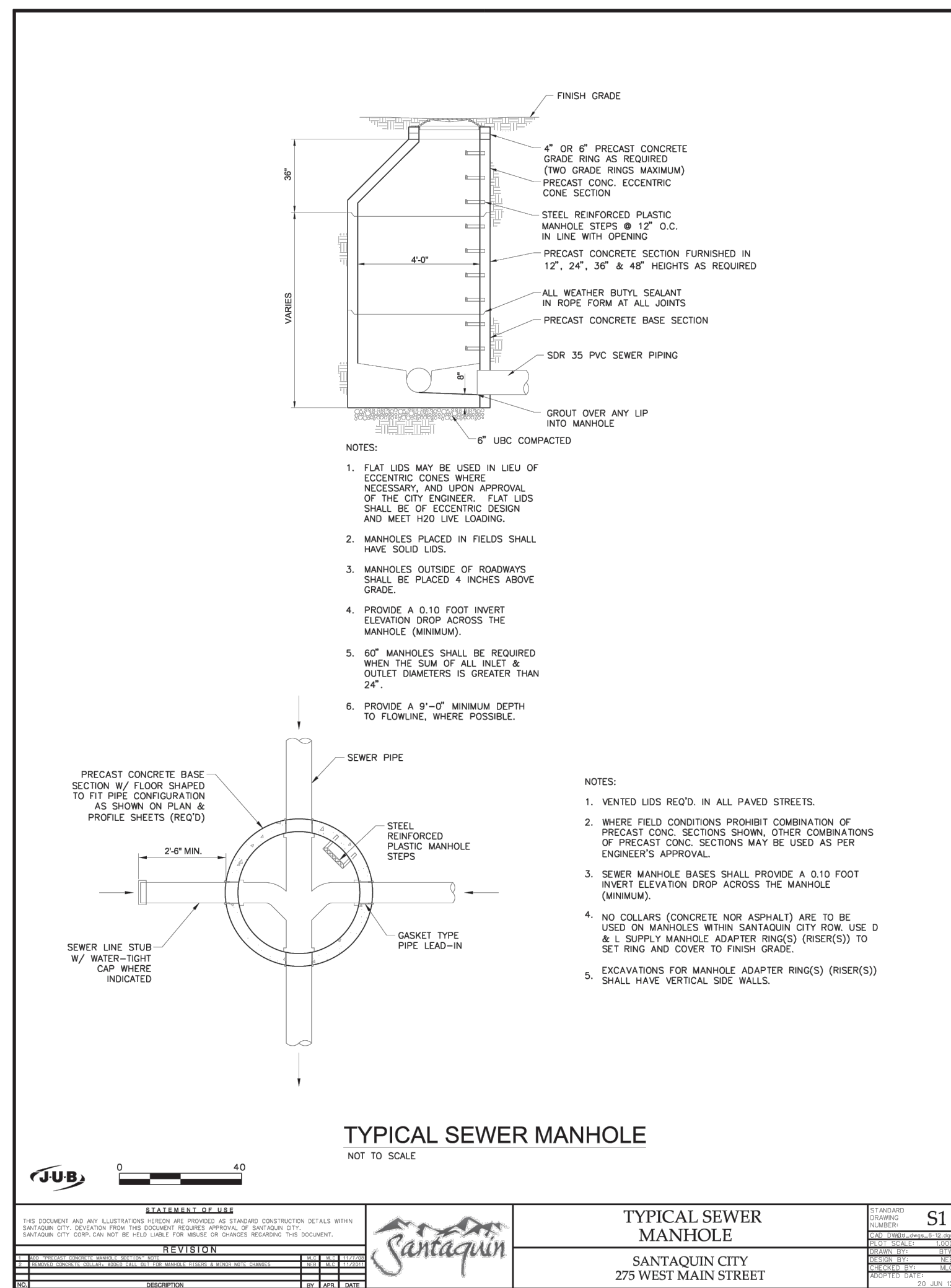
ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
STANDARD DETAILS
78 N 500 E, SANTAQUIN UT 84655

PROFESSIONAL ENGINEER
03/2024
10864737
LARVIN POLLOCK
STATE OF UTAH

SHEET: C-5
DATE: Jul 03, 2024

PROJECT ENGINEER: LP
DESIGNER: JM

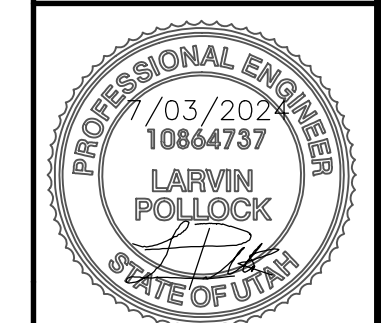


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levateengineering.com

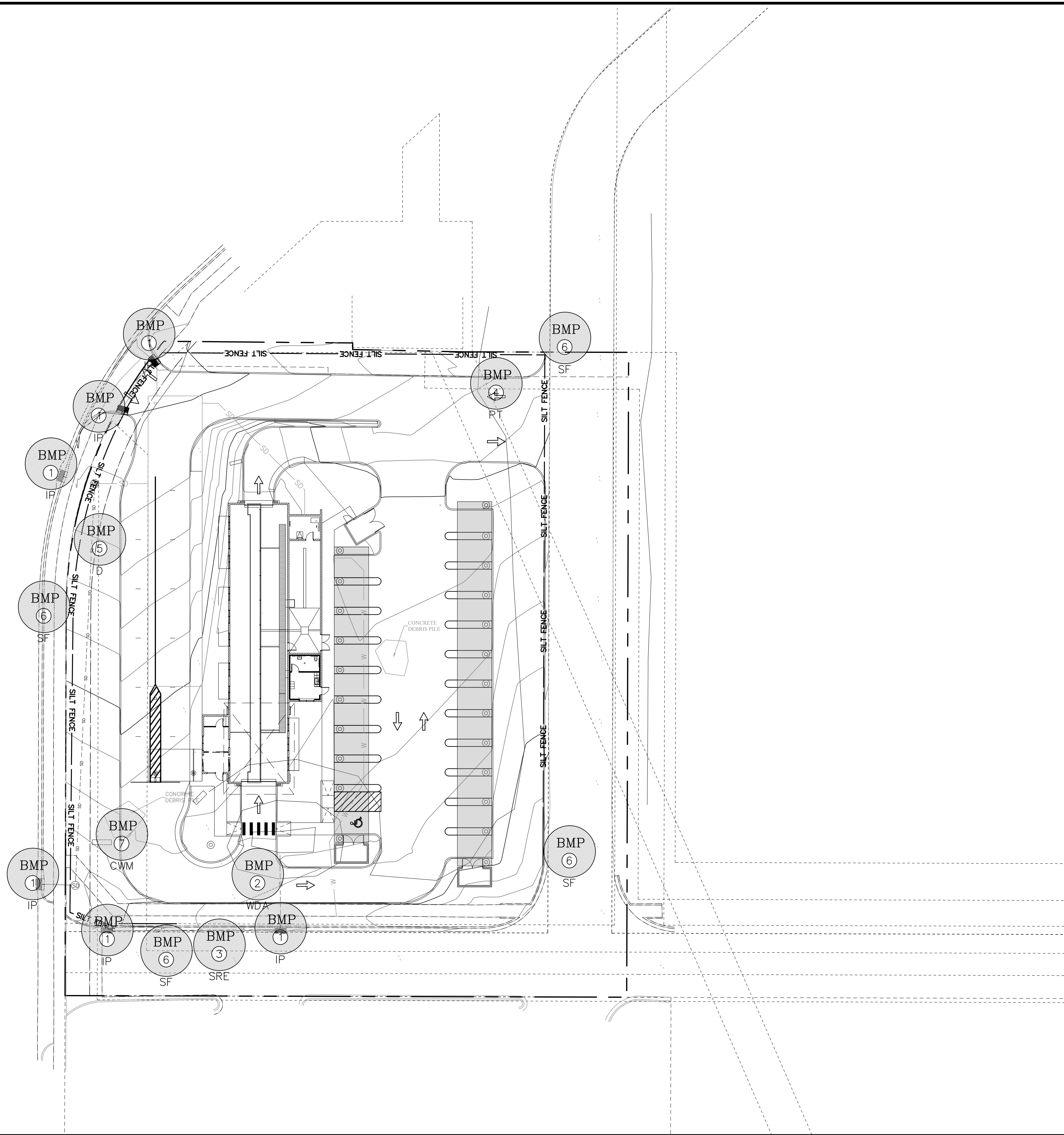
ELEVATE ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
UTILITY DETAILS
78 N 500 E, SANTAQUIN UT 84655



SHEET: C-6
DATE: Jul 03, 2024

N 500 E



LEGEND

PROPERTY/ROW LINE	---
EXISTING CURB AND GUTTER	====
PROPOSED CURB AND GUTTER	=====
PROPOSED STORM DRAIN LINE	—SD—SD—SD—
EXISTING STORM DRAIN LINE	--SD--SD--SD--
EXISTING SEWER LINE	--SS--SS--SS--
EXISTING WATER LINE	--W--W--W--
EXISTING CONTOUR LINE	-(-2732)-
FINISHED CONTOUR LINE	-21.00-
EXISTING FENCE	-x-
SILT FENCE	-SILT FENCE-
CLEAN OUT BOX	□
BEST MANAGEMENT PRACTICE SEE BEST MANAGEMENT PRACTICE INDEX AND SHEET C-8 FOR DETAILS	

- NOTES**
- DURING CONSTRUCTION
- ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED AND MAINTAINED REGULARLY (ONCE A WEEK) AND AFTER EVERY STORM EVENT
 - LAND DISTURBANCE SHALL BE KEPT TO MINIMUM TO CONTROL RUNOFF FROM THE SITE
 - LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE
 - STAGED SEEDING TO RE-VEGETATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS
 - AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION
 - MAINTENANCE OF STREET: STREETS TO BE KEPT CLEAN AND FREE FROM DEBRIS.
 - CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.
 - A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON THE SITE DURING ALL CONSTRUCTION ACTIVITY

BEST MANAGEMENT PRACTICE INDEX

1	IP	INLET PROTECTION
2	WDA	EQUIPMENT AND VEHICLE WASH DOWN AREA
3	SRE	STABILIZED ROADWAY ENTRANCE
4	PT	PORTABLE TOILET
5	D	DUMPSTER LOCATION
6	SF	SILT FENCE
7	CWM	CONCRETE WASTE MANAGEMENT

ADDITIONAL BMP's TO BE ONSITE:

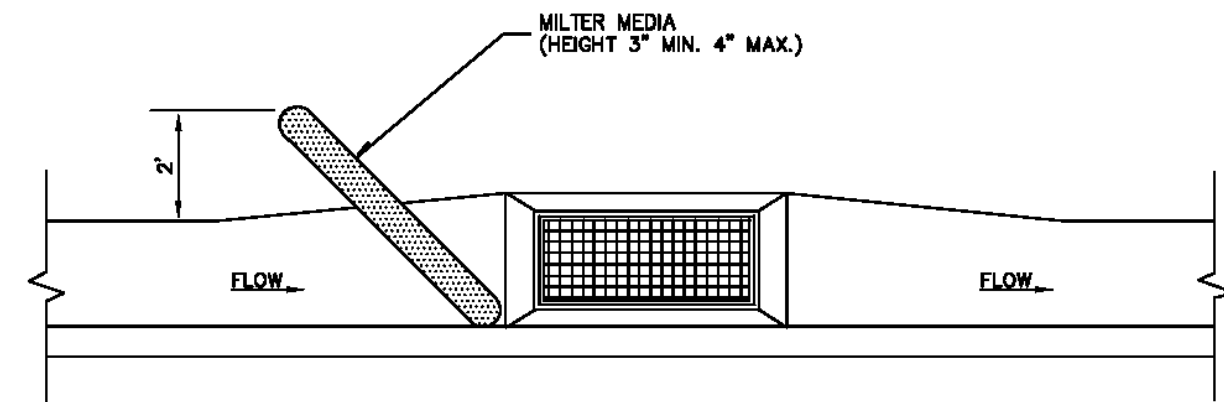
- SPILL CLEANUP
- VEHICLE & EQUIPMENT FUELING

SEE SHEET C-8 FOR BMP DETAILS

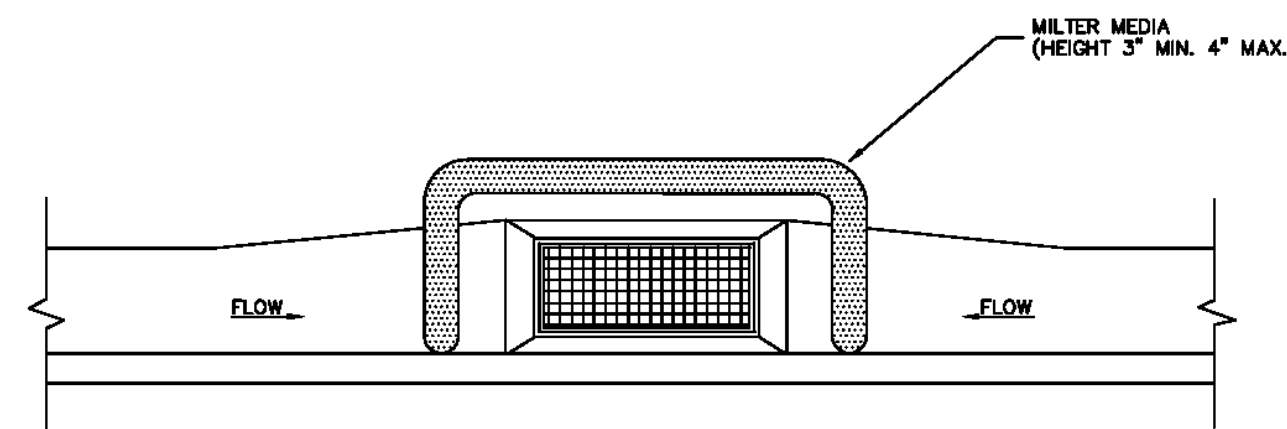
SCALE: 1" = 20'

NO.	REVISIONS	BY	DATE	<p style="font-size: small;">ELEVATE ENGINEERING 2208 WEST 700 SOUTH SPRINGVILLE, UT 84663 PHONE: (801) 718-5993 www.elevateeng.com</p>
<p>QUICK QUACK SANTAQUIN 500 EAST SWPPP PLAN</p> <p>78 N 500 E, SANTAQUIN UT 84655</p>				
<p>SHEET: C-7</p> <p>DATE: Jul 03, 2024</p>				<p style="font-size: x-small;">PROJECT ENGINEER: LP DESIGNER: JM</p>

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



ON-GRADE INLET PROTECTION DETAIL



DROP INLET PROTECTION DETAIL

Inlet protection - gravel sock

Plan No. **124**

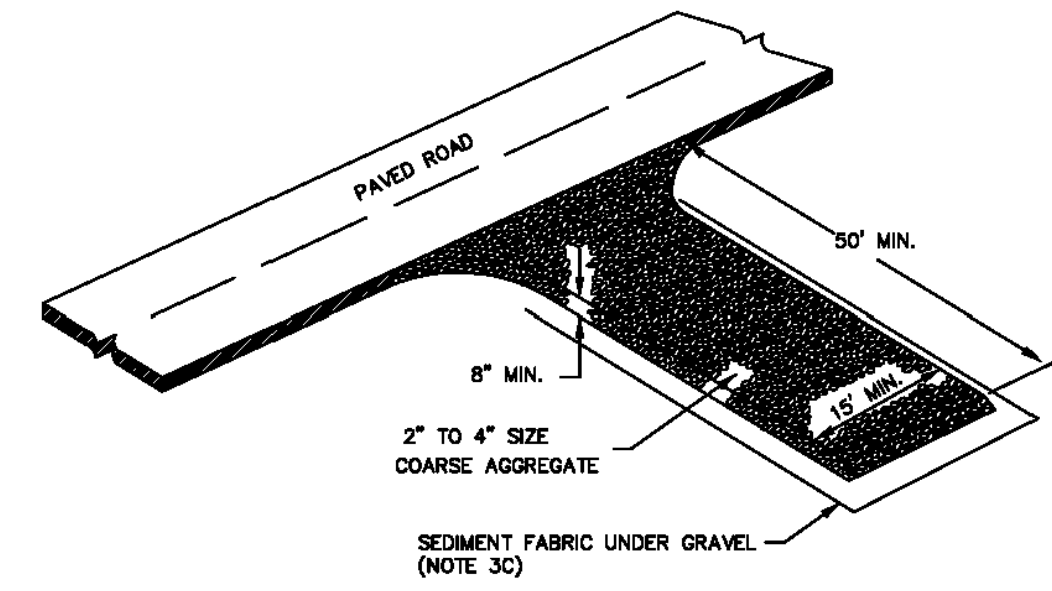
September 2008 11 Drawing 1 of 3

Inlet protection - gravel sock

- DESCRIPTION: Placement of gravel sock on grade upstream of, or in front of storm drain inlets to filter or pond water runoff.
- APPLICATION: At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - On-grade inlet protection:
 - On-grade inlet protection should be used when completely blocking a storm drain inlet box would result in forcing water further downstream would cause flooding or other undesirable results.
 - Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
 - Install filter media just upstream of the inlet box.
 - Filter media shall butt tightly against the face of the curb and angle at approximately a 45 degree angle away from the curb to trap runoff between the media and the curb.
 - Excessive flows will flow either over or around the filter media and into the inlet box.
 - Expect ponding behind the filter media.
 - Drop inlet protection:
 - Drop inlet protection should be used at low points in the curb and when diverting flows further downstream will not cause undesirable results.
 - Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
 - Install filter media around the entire perimeter of the inlet grate.
 - Filter media shall butt tightly against the face of the curb on both sides of the inlet grate.
 - Excessive flows will either flow around the media or over the top and into the inlet box.
 - Expect ponding around the inlet box.
- MAINTENANCE:
 - Inspect inlet protection after every large storm event and at a minimum of once monthly.
 - Remove sediment accumulated when it reaches 2 inches in depth.
 - Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

10

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Stabilized roadway entrance

Plan No. **126**

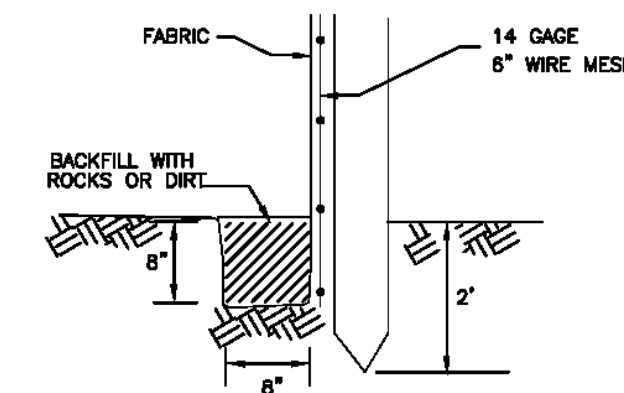
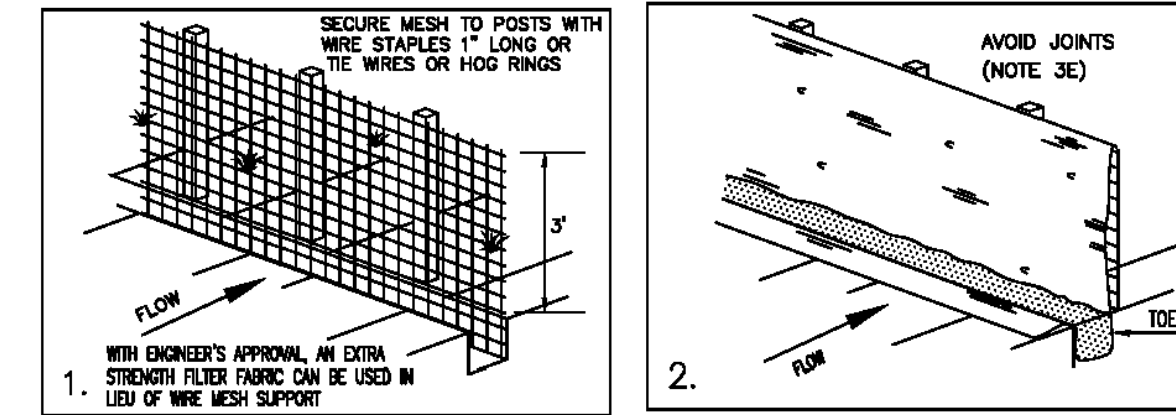
February 2006 19

Stabilized roadway entrance

- DESCRIPTION: A temporary stabilized pad of gravel for controlling equipment and construction vehicle access to the site.
- APPLICATION: At any site where vehicles and equipment enter the public right of way.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
 - Compact subgrade.
 - Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months).
- MAINTENANCE:
 - Requires periodic top dressing with additional stones.
 - Prevent tracking or flow of mud into the public right-of-way.
 - Periodic top dressing with 2 inches stone may be required, as conditions demand, and repair any structures used to trap sediments.
 - Inspect daily for loss of gravel or sediment buildup.
 - Inspect adjacent areas for sediment deposit and install additional controls as necessary.
 - Expand stabilized area as required to accommodate activities.

18

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



TOE DETAIL

Silt fence

Plan No. **122**

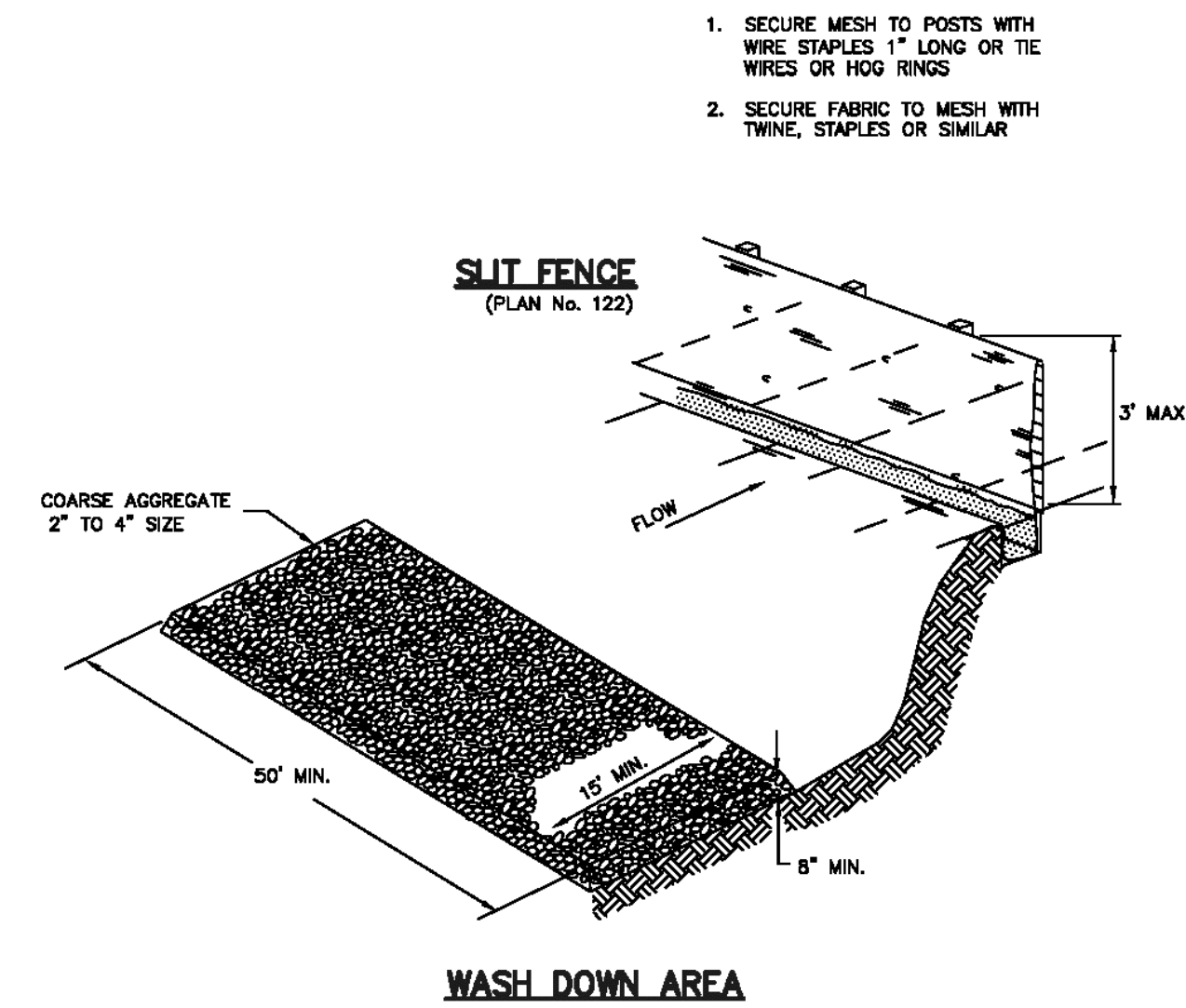
February 2006 7

Silt fence

- DESCRIPTION: A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched.
- APPLICATION: To intercept sediment from disturbed areas of limited extent.
 - Perimeter Control: Place barrier at down gradient limits of disturbance.
 - Sediment Barrier: Place barrier at toe of slope or soil stockpile.
 - Protection of Existing Waterways: Place barrier at top of stream bank.
 - Inlet Protection.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester, or polyethylene yarn. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0 deg. F. to 120 deg. F.
 - Burlap shall be 10 ounces per square yard of fabric.
 - Posts for silt fences shall be either 2" x 4" diameter wood, or 1.33 pounds per linear foot steel with a minimum length of 5 feet. Steel posts shall have projections for fastening wire to them.
 - The fabric is cut on site to desired width, unrolled, and draped over the barrier. The fabric toe is secured with rocks or dirt. The fabric is secured to the mesh with twin, staples or similar devices.
 - When attaching two silt fences together, place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees on a clockwise direction to create a tight seal with the filter fabric. Drive both posts into the ground and bury the flap.
 - When used to control sediments from a steep slope, silt fences should be placed away from the toe of the slope for increased holding capacity.
- MAINTENANCE:
 - Inspected immediately after each rainfall and at least daily during prolonged rainfall.
 - Should the fabric on a silt fence or filter barrier decompose or become ineffective before the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
 - Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
 - Re-anchor fence as necessary to prevent shortcutting.
 - Inspect for runoff bypassing ends of barriers or undercutting barriers.

6

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



Equipment and vehicle wash down area

Plan No. **125**

February 2006 17

Equipment and vehicle wash down area

- DESCRIPTION: A temporary stabilized pad of gravel for general washing of equipment and construction vehicles.
- APPLICATION: At any site where regular washing of vehicles and equipment will occur. May also be used as a filling point for water trucks limiting erosion caused by overflow or spillage of water.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
 - Compact subgrade.
 - Place filter fabric under wash down area if desired (recommended for wash area that remains more than 3 months).
 - Install silt fence down gradient (see Plan No. 122).
- MAINTENANCE:
 - Requires periodic top dressing with additional stones.
 - Solely used to control sediment in wash water. Cannot be utilized for washing equipment or vehicles that may cause contamination of runoff (such as fertilizer equipment or concrete equipment).
 - The wash area shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way.
 - Periodic top dressing with 2 inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
 - Inspect daily for loss of gravel or sediment buildup.
 - Inspect adjacent area for sediment deposit and install additional controls as necessary.
 - Expand stabilized area as required to accommodate activities.
 - Maintain silt fence as outlined in Plan No. 122.

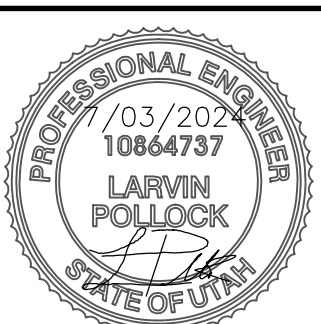
16

NO.	REVISIONS	BY	DATE

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
larvin@elevateeng.com

ELEVATE
ENGINEERING

QUICK QUACK SANTAQUIN 500 EAST
SWPPP DETAILS
78 N 500 E, SANTAQUIN UT 84655



SHEET: **C-8**
DATE: Jul 03, 2024

Plant List (TREES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
5		Catalpa crua-gall	Cockspur Hawthorn	2 1/2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
3		Koeleria p. Golden Candle	Golden Rain Tree	2 1/2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
5		Pinus laeocemis heidreichii	Dwarf Bonian Pine	6'-8" Height	Full Throughout Specimen
1		Syringa reticulata Ivory Silk	Japanese Tree Lilac	2 1/2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
8		Zalcova serrata 'Mushashino'	Mushasho Zalcova	2 1/2" Caliper 10'-12" Height	Full Head Crown Straight Trunk

Plant List (SHRUBS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
14		Berberis thunb. Crimson Pinyon	Crimson Pinyon	5 Gallon	15'-18" Height
8		Ligustrum x vicaryi	Golden Privet	5 Gallon	18'-24" Height
2		Physocarpus o. 'Summer Wine'	Summer Wine Ninespark	5 Gallon	24"-30" Height
23		Pinus bursagei 'Faunus Batus'	Faunus Batus Sandcherry	5 Gallon	18'-24" Spread
4		Rosa 'uphonia 'Baitiger'	Tiger Eye's Sumac	5 Gallon	24"-30" Height
8		Rosa Knock Out Red	Knock Out Red Rose	5 Gallon	18'-24" Height
26		Spiraea bunaida 'Goldmund'	Goldmund Spiraea	5 Gallon	15'-18" Height
26		Spiraea japonica 'Neon Flash'	Neon Flash Spiraea	5 Gallon	15'-18" Height
9		Syringa vulgaris	Common Lilac	5 Gallon	24"-30" Height
11		Yucca filam. 'Golden Sword'	Golden Sword Yucca	5 Gallon	15'-18" Height

Plant List (ORNAMENTAL GRASSES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
16		Calamagrostis a. 'Avalanche'	Avalanche Feather Grass	5 Gallon	18'-24" Height
12		Calamagrostis a. 'Fosterii'	Foster Feather Grass	5 Gallon	18'-24" Height
2		Miscanthus sinensis 'Gracillimus'	Maiden Grass	5 Gallon	24"-30" Height
37		Pennisetum alopec. 'Hemitt'	Hemitt Fountain Grass	5 Gallon	15'-18" Height

Plant List (PERENNIALS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
25		Hemerocallis 'Stella d'Or'	Stella d'Or Day Lily	1 Gallon	Full Can
38		Lavandula 'Hidecote Blue'	Blue Lavender	1 Gallon	Full Can
56		Salvia 'East Friesland'	East Friesland Sage	1 Gallon	Full Can

Planting Notes

- All lawn and shrub areas shall receive a 4 inch depth of topsoil. If topsoil is not available at the site, it must be imported from an approved local source. All topsoil shall be of a sandy loam consistency. Prior to a chemical analysis of all topsoil for approval, all topsoil shall be loosened by aerifying the soil to a depth of 6 inches to a maximum of 12 inches. All topsoil shall be placed in a transition layer existing and then a 4 inch depth of decorative stone beds, cut the fabric from around the water wall of each plant, then apply fine ground bark, include water wall. The remainder of the planter bed shall receive the depth of decorative stone, and shall include weeding, pruning and one fertilization. The contractor shall comply with all warranties and guarantees set forth by the Owner, and in no case shall that period be less than two years following the date of completion and final acceptance.
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Peppor equal).
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Peppor equal).
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Peppor equal).
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General Notes

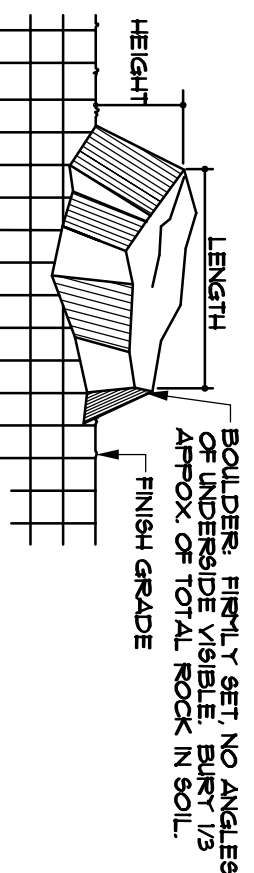
- All bidding landscapers shall have a minimum of 5 years experience in the installation of commercial landscapes and irrigation projects, and be able to supply the necessary staff to perform all tasks associated with the project.
- The landscaper shall be responsible for all labor and materials required for the proper completion of all work.
- The contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning work. The contractor shall coordinate his work with the project manager and all other contractors working on the site.
- The finish grade of all planting areas shall be smooth, even and consistent, free of any humps, depressions or other grading irregularities. The finish grade of all landscape areas shall be graded consistently 1/2" below the proposed grade.
- The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
- All plant materials shall be approved prior to planting. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the specifications.
- The contractor shall plant all plants per the planting details, stakes/guy as shown. The top of the rootballs shall be planted flush with the finish grade.

Sub-Grade Requirements

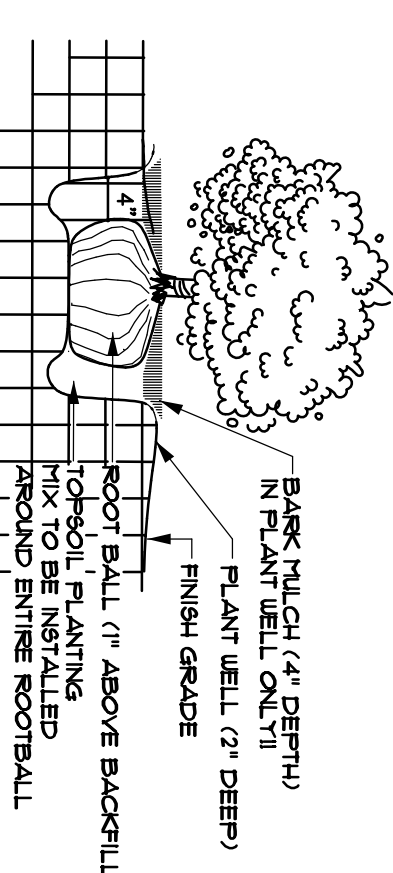
- LAWN AREAS:** Six (6) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with the seeding material, leaving it slightly below finish grade.
- SHRUB AREAS:** Eight (8) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with a four inch depth of bark mulch or decorative stone, leaving it slightly below finish grade below the stone area.
- ROCK ONLY AREAS:** Seven (7) inches below finish grade. This will allow for the installation of a 4 inch depth of decorative stone over the used barrier fabric, leaving it slightly below finish grade and concrete areas.
- SUB-GRADE COMPLETION:** The landscaper contractor shall meet, early on, in the construction process, with the site grading contractor, in order to ensure that all sub-grades, prior to final topsoil placement, are provided. Any discrepancies or questions shall be discussed and resolved at that time. Landscape operations shall not begin until the specified sub-grade elevations have been provided.

Legend

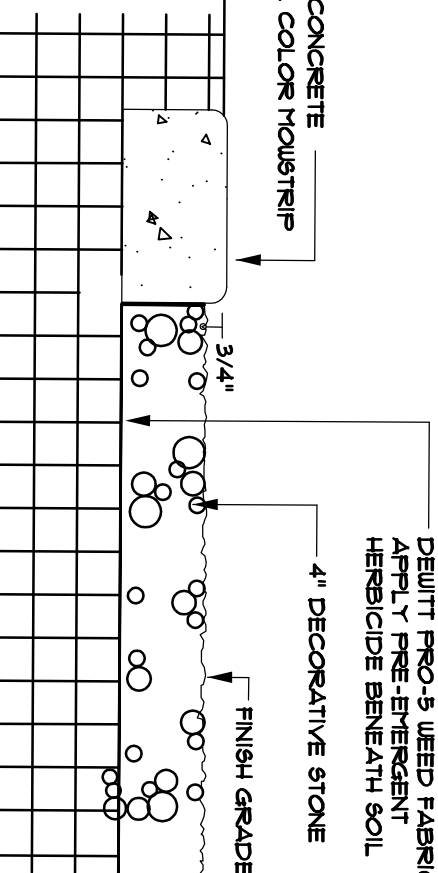
Symbol	Description	Remarks
	Landscape Boulder / 3'-4" Min. Size / Individually Faced	Boulder Type And Color Shall Be From Nearest Local Source. Boulder-Tilt Colored Quantities, Block Curves (Not Rounded).
	4" x 6" Extruded Concrete Mowstrip / Natural Color	Install In Straight True Lines And Uniform Curves, 4' Between All Lawn And Shrub Areas. Compact Sub-grade To 50% Prior To Installation. Install In Areas Shown Over A 4 Inch Depth Of Import Topsoil. Top Or Lawn To Be 1 Inch Below Finish Grade Of Concrete Surfaces.
	Rock ONLY Area / Cobble / Conservative Mixture	Install In Areas Shown To A Depth Of 6 Inches Over "Dedutt" Brand Used Barrier Fabric. Provide Pre-emergent Herbicide Application. Install In Areas Shown To A Depth Of 4 Inches Over "Dedutt" Brand Used Barrier Fabric. Provide Pre-emergent Herbicide Application.
	New Shrub - Rock Area / 2" Min. Size / Earthtone Color	Install In Areas Shown To A Depth Of 4 Inches Over "Dedutt" Brand Used Barrier Fabric. Provide Pre-emergent Herbicide Application.



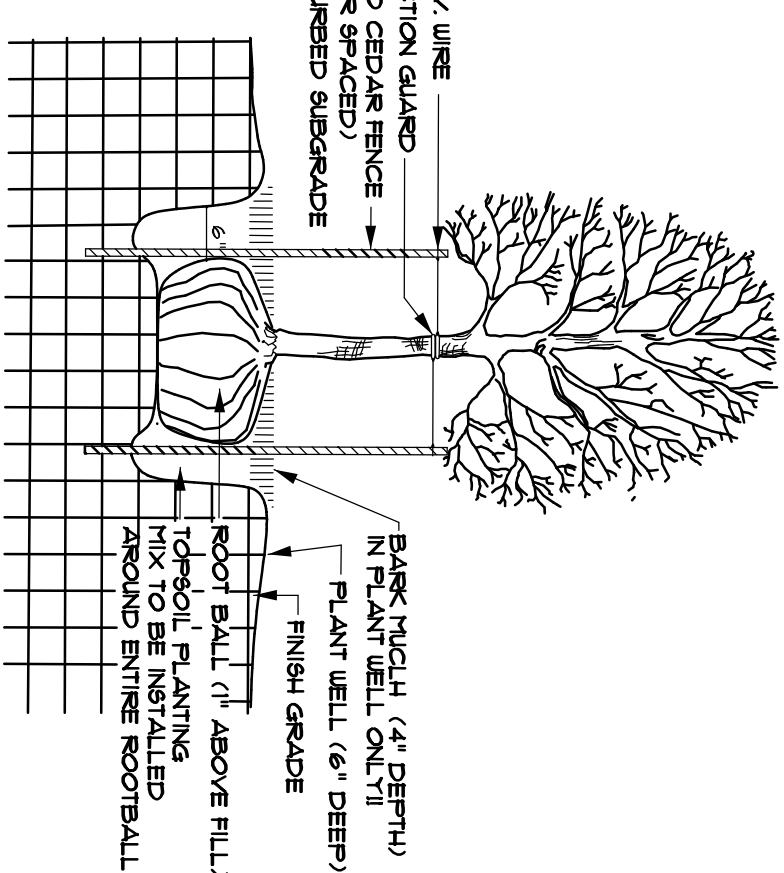
1 Decorative Boulder



2 Shrub Planting



3 Mowstrip - Stone Mulch

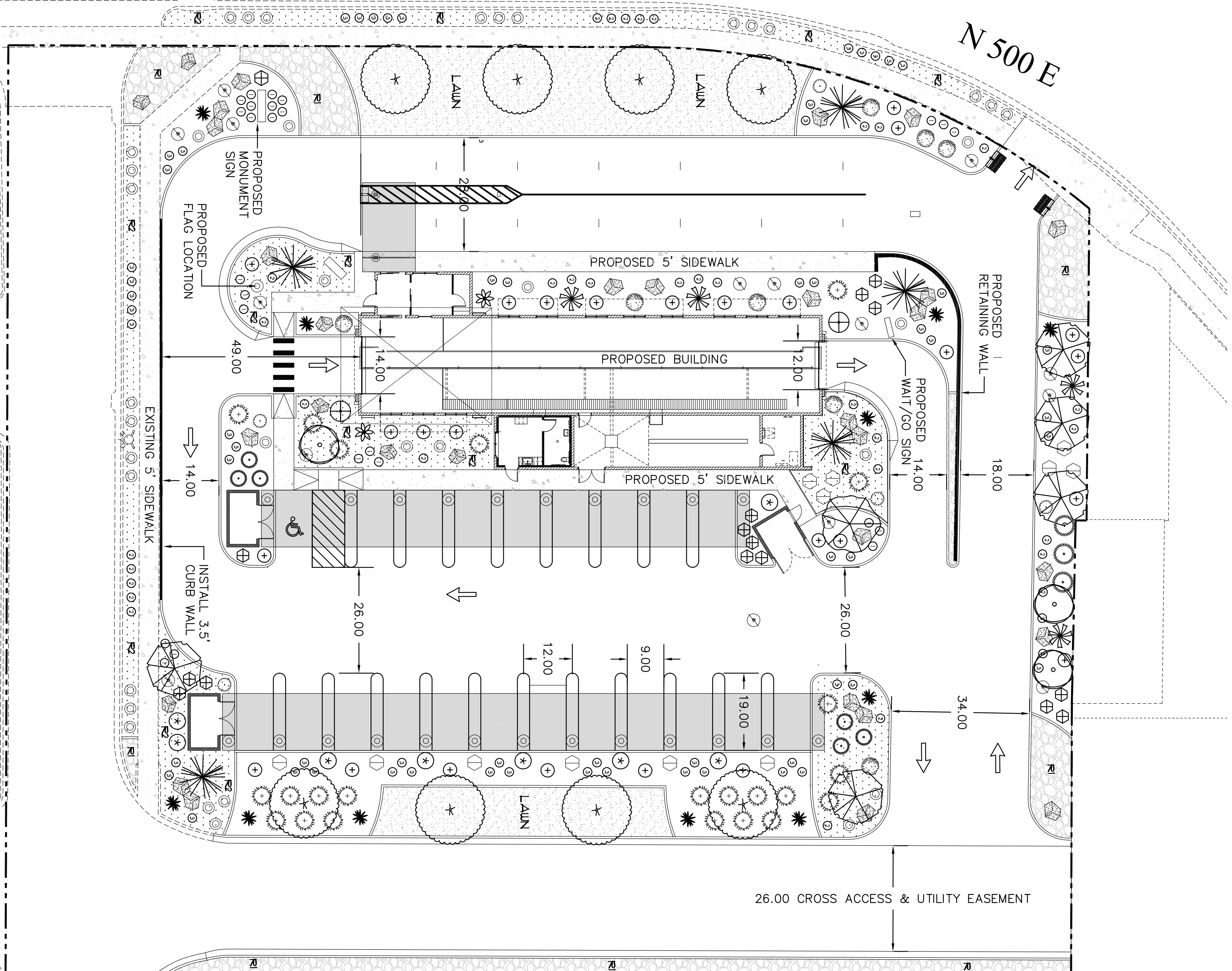


4 Tree Planting



Landscape Architect

RDL Design Company, Inc.
8020 East Vale Avenue
Salt Lake City, Utah 84105
Phone: 801-641-3114
Email: rldesign@comcast.net



Landscape Area Calculations

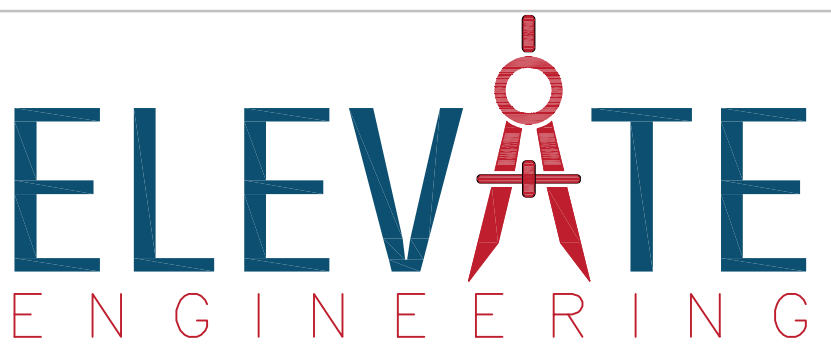
Area	Area (SF)	%
TOTAL LANDSCAPE AREA:	16,711 SF	100%
TOTAL LAWN AREA:	3,205 SF	19.2%
TOTAL ROCK ONLY AREA:	10,935 SF	64.7%

Special Note

All ground or wall mounted utility equipment, meters, transformers, HVAC equipment, etc. shall be screened. ECCC 0201070504.

NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP DESIGNER: DP

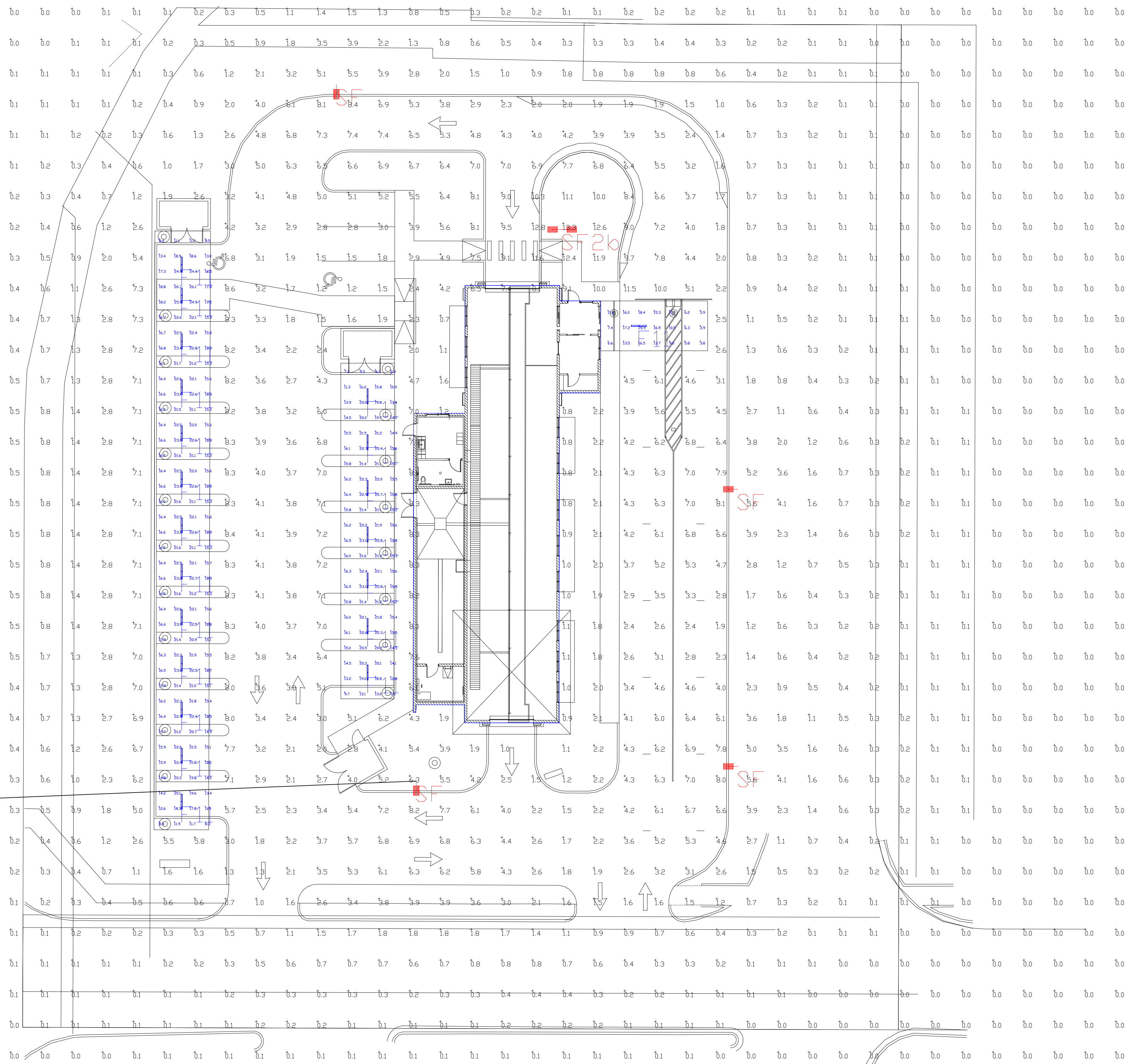


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lorvin@elevateng.com

QUICK QUACK-SANTAQUIN MACEY'S
LANDSCAPE PLAN
78 N. 500 E. SANTAQUIN, UT 84665



SHEET: 1-1
DATE: 07-03-2024



MRS

Pole to be used for flag pole light

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAY CANOPY	Illuminance	Fc	11.12	20.9	3.8	2.93	5.50
VACUUM CANOPY 1	Illuminance	Fc	17.38	23.1	6.9	2.52	3.35
VACUUM CANOPY 2	Illuminance	Fc	18.47	26.7	8.3	2.23	3.22
PAVED AREA	Illuminance	Fc	4.74	12.8	1.0	4.74	12.80

NOTE: STANDARD 120-277v UNLESS OTHERWISE SPECIFIED

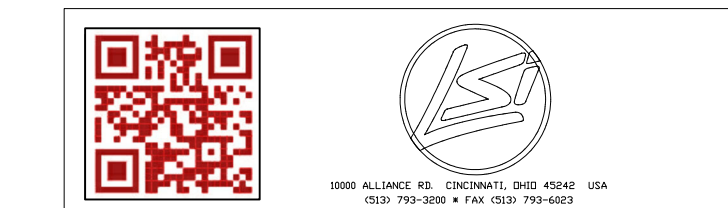
Symbol	Qty	Label	Arrangement	Description	Mounting Height	LLD	LLF	Arr. Lum. Lumens	Arr. Watts
	21	F11	SINGLE	VT3204HUNV50 (FIXTURE SUPPLIED BY HERMITAGE)	12'	1.000	1.000	6778	51.95
	4	SF	SINGLE	MRS-LED-18L-SIL-FT-50-70CRI-SINGLE	16' POLE+2' BASE	1.000	1.000	16890	135
	1	SF2b	D180°	MRS-LED-18L-SIL-FT-50-70CRI-D180	16' POLE+2' BASE	1.000	1.000	33780	270

PHOTOMETRIC EVALUATION
NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

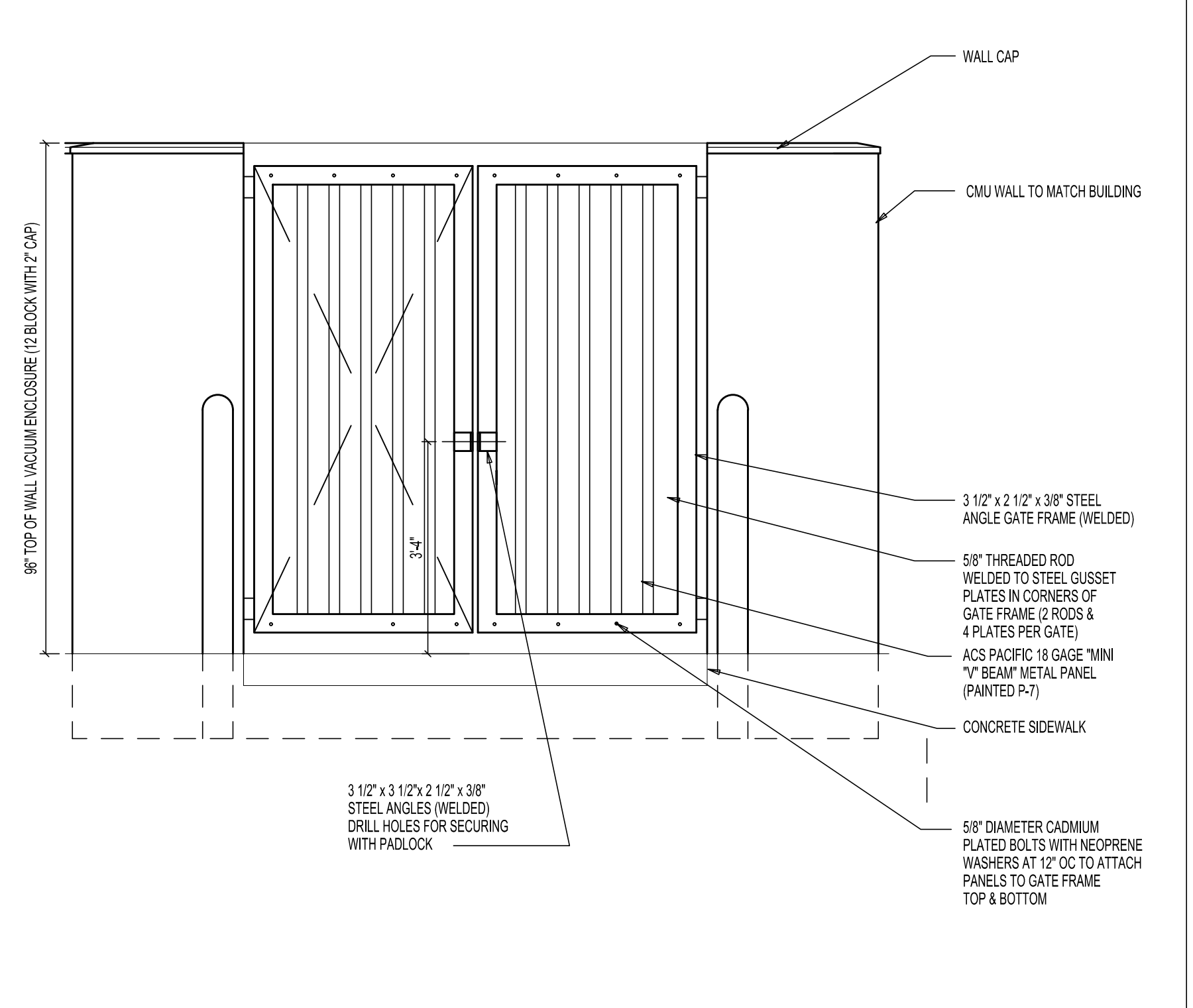
Total Project Watts_1
Total Watts = 1900.95



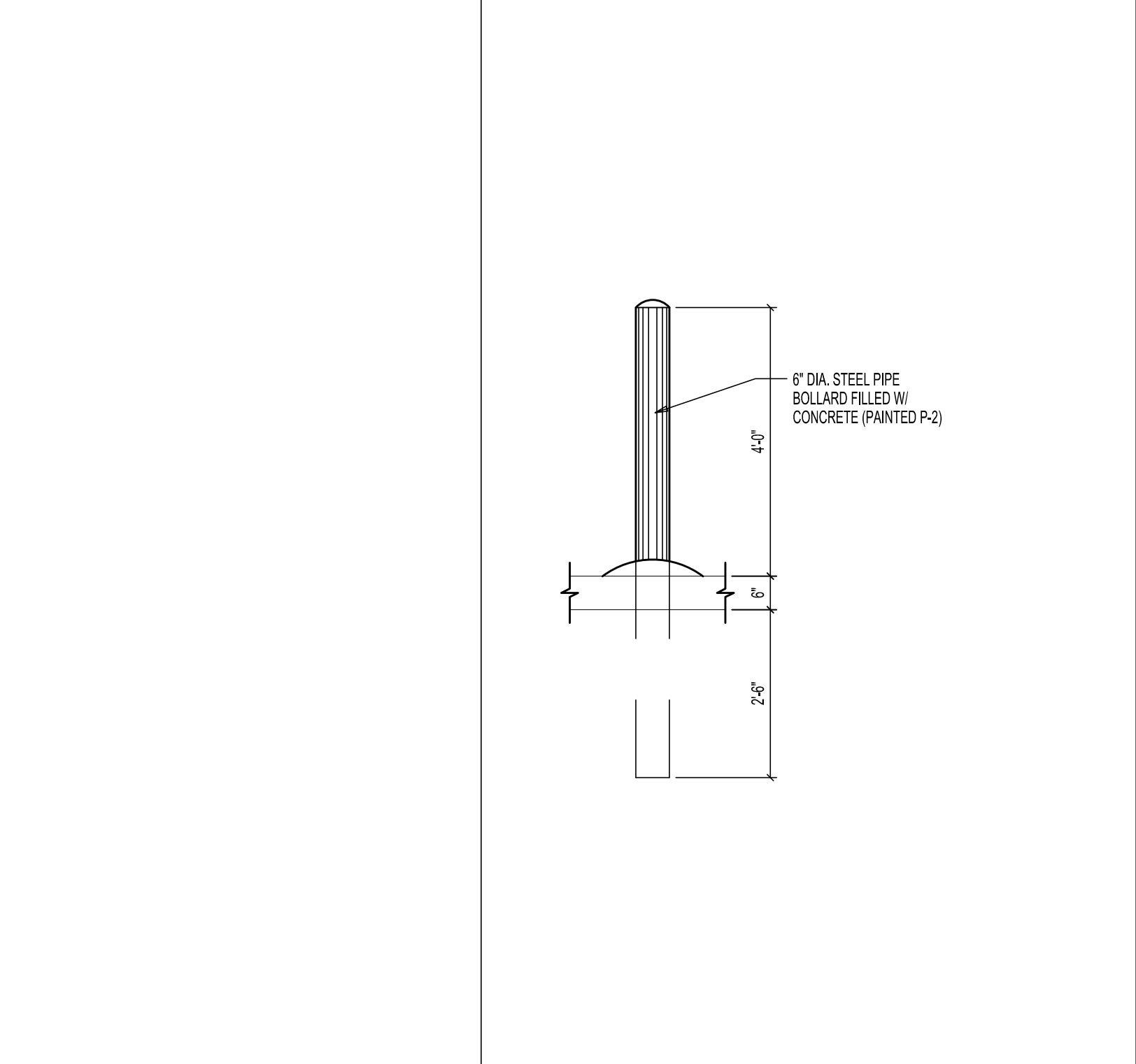
LIGHTING PROPOSAL LD-159445

QUICK GLUCK
78 N 500 E
SANTAGUITA

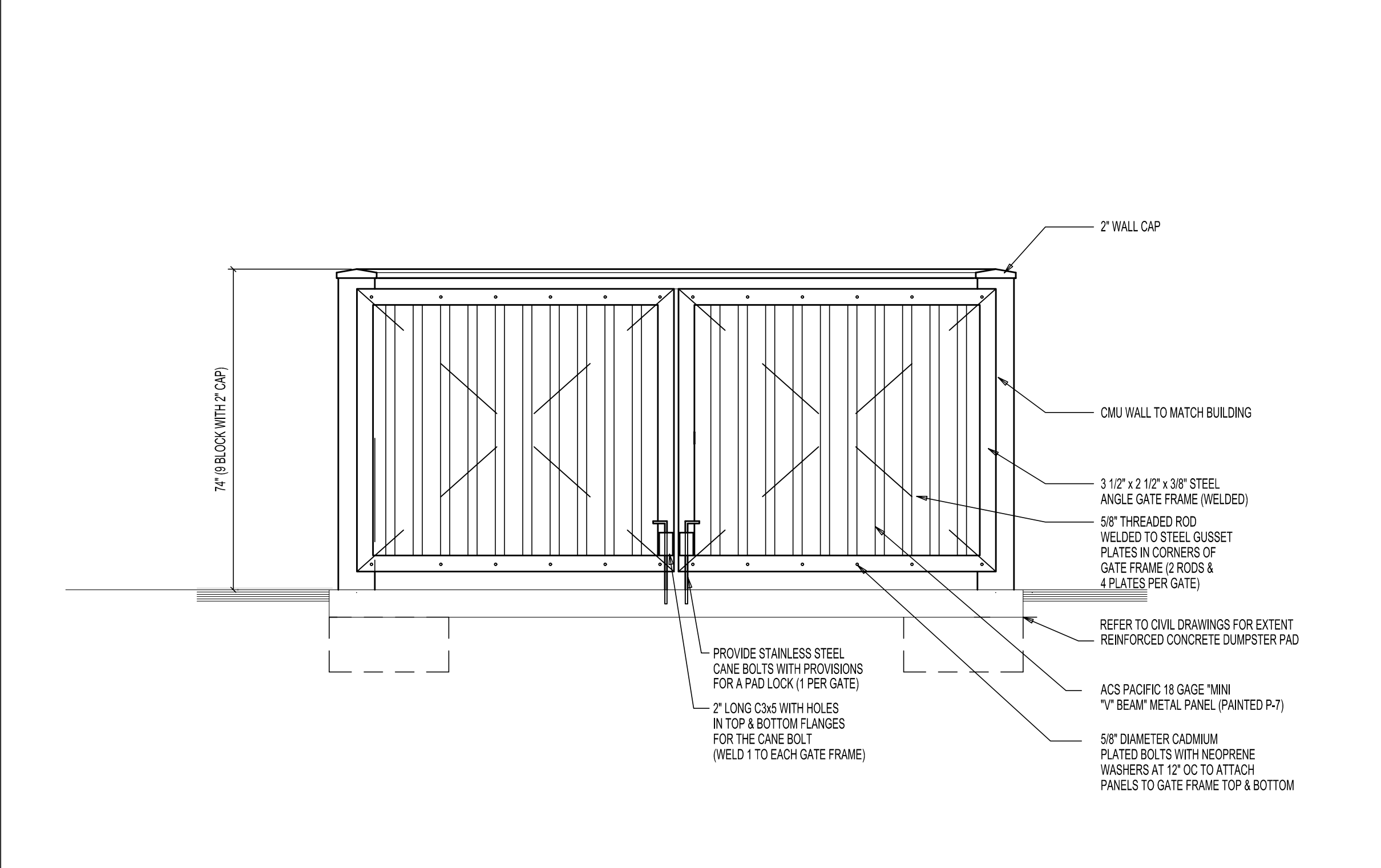
SCALE: 1"=16' 0 16



ELEVATION SCALE: 1/2"=1'-0" 07



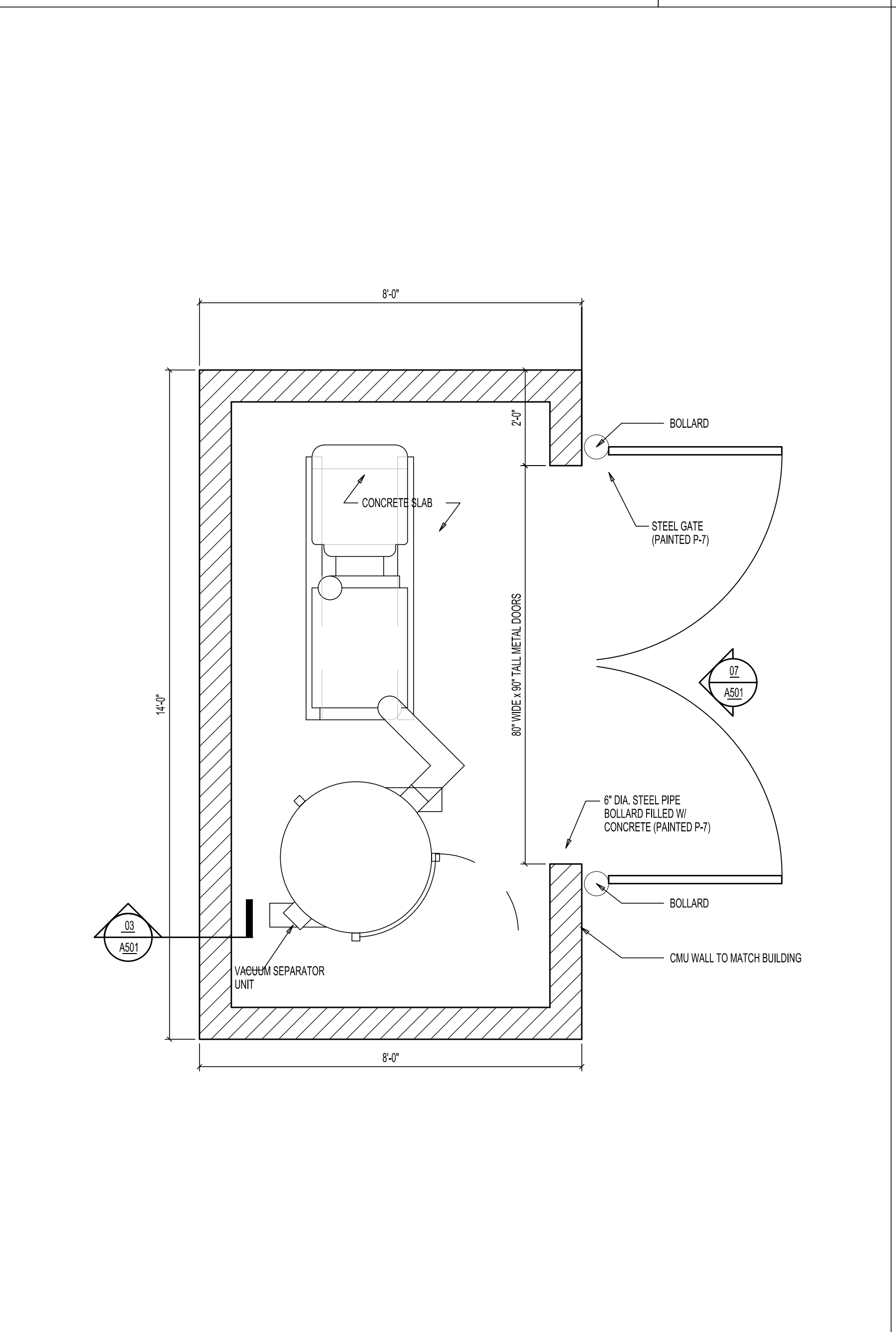
NOT USED 05 DTL. SCALE: 1/2"=1'-0" 04



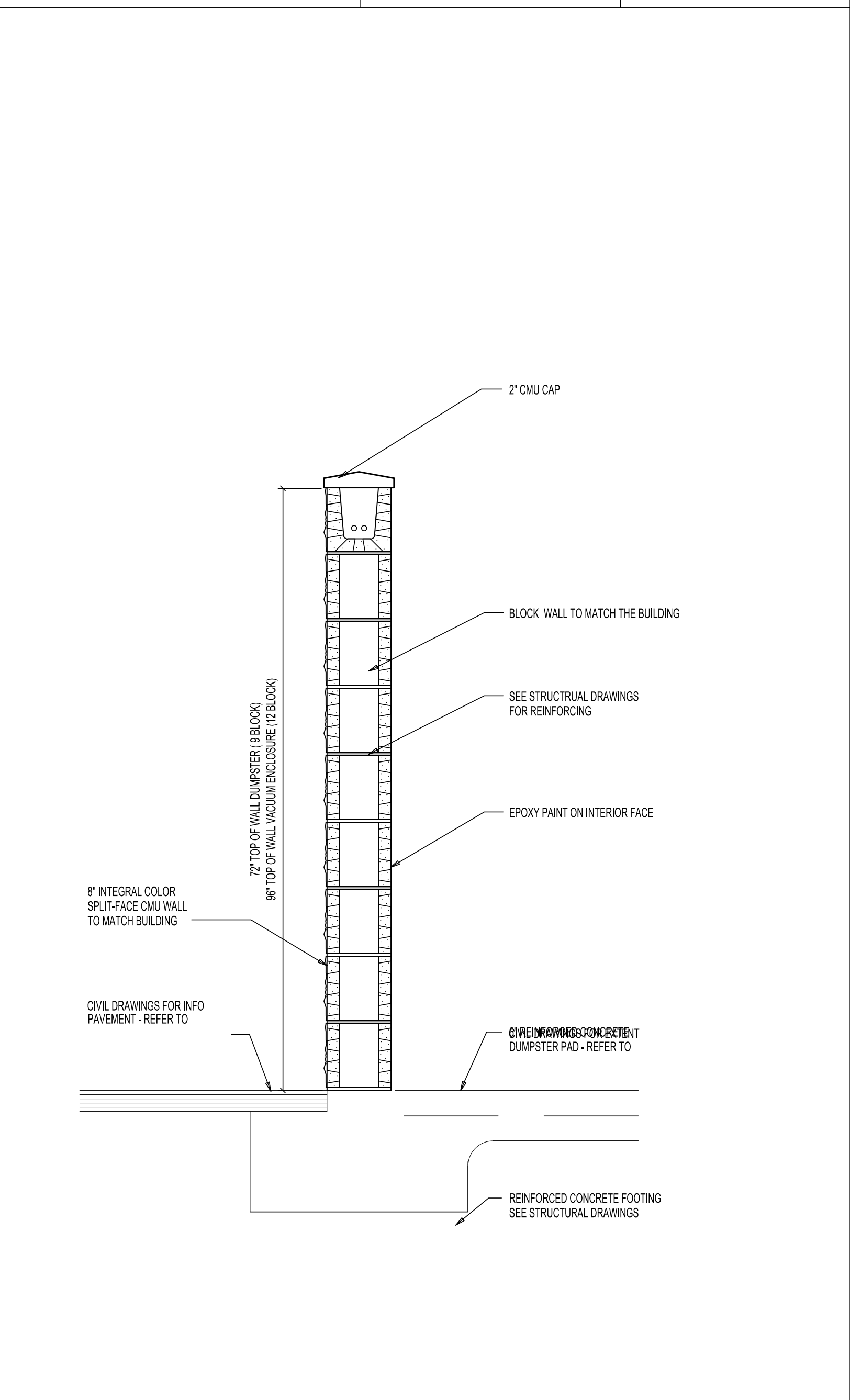
ELEVATION SCALE: 1/2"=1'-0" 02

PROJECT NOTES

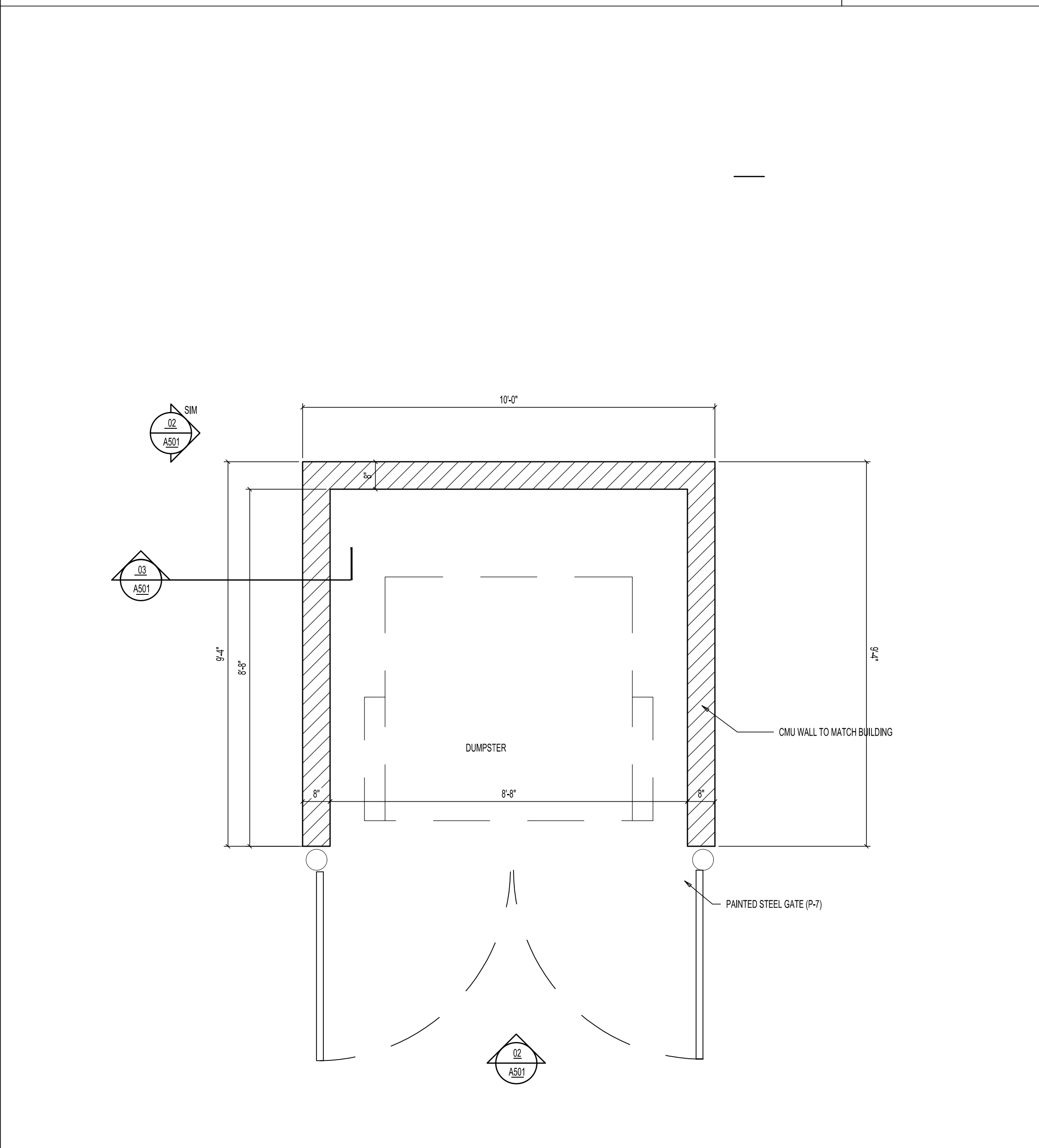
EXTERIOR FINISH SCHEDULE		
ITEM	MATERIAL	COLOR
CMU 1	SPLIT-FACE CMU	MATCH SW6081 DOWN HOME
CMU 2	SPLIT-FACE CMU	MATCH SW6107 NOMADIC DESERT
P-7	PAINTED FABRICATED STEEL	MATCH SW7048 URBANE BRONZE



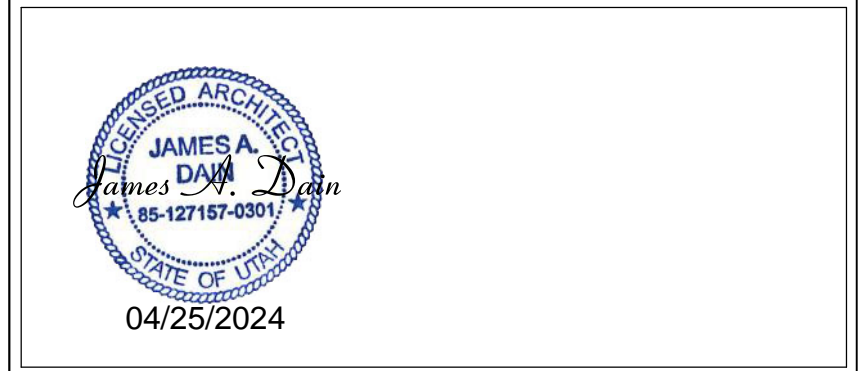
VACUUM ENCLOSURE PLAN SCALE: 1/2"=1'-0" 06



WALL SECTION SCALE: 1/2"=1'-0" 03



DUMPSTER ENCLOSURE PLAN SCALE: 1/2"=1'-0" 01



PROJECT TITLE
Quick Quack Car Wash
Santaquin



DATE:	April 2024	A501
REVISIONS:		