

QUICK QUACK SANTAQUIN 500 EAST

SANTAQUIN, UT

VICINITY MAP



NOT TO SCALE

INDEX

- G-0 Cover Sheet
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- C-5 Details
- C-6 Utility Details
- C-7 Stormwater Pollution Prevention Plan
- C-8 SWPPP Details
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- Photometric Plan

PROJECT ENGINEER:
 LARVIN POLLOCK
 ELEVATE ENGINEERING
 2208 WEST 700 SOUTH
 SPRINGVILLE, UT 84663
 (801) 718-5993
 LARVIN@ELEVATEENG.COM

DEVELOPER:
 RUSS NELSON
 LONESTAR BUILDERS
 2208 WEST 700 SOUTH
 SPRINGVILLE, UT 84663
 (435) 757-0400
 RUSS.NELSON@LONESTARBUILDERSINC.COM

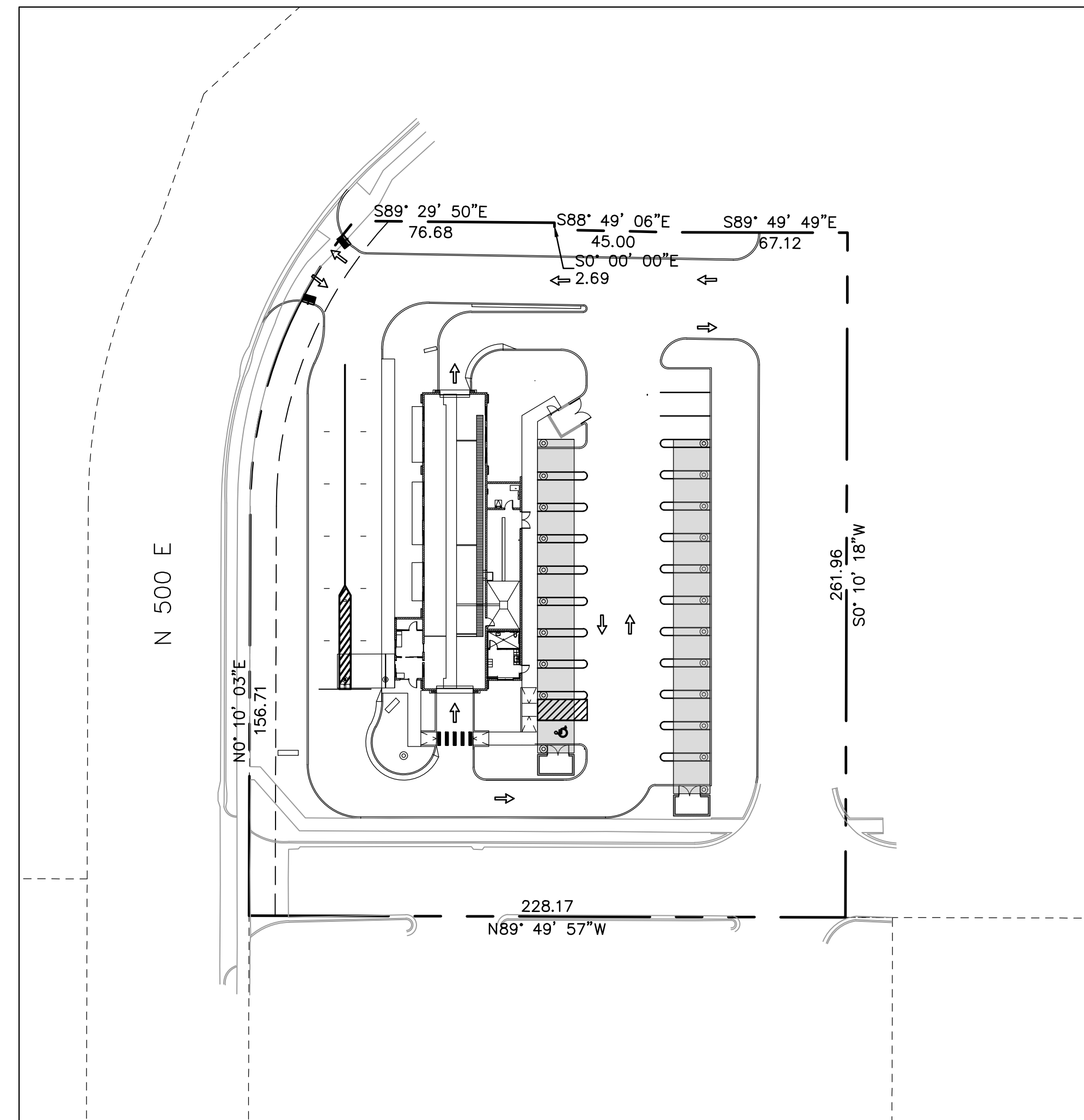
SITE DATA

LOT AREA: 58,872 SF (1.35 ACRES)
 BUILDING AREA: 4,081 SF ± 6.9%
 PAVEMENT AREA: 39,102 SF ± 66.5%
 LANDSCAPE AREA: 15,689 SF ± 26.6%

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.



SITE MAP

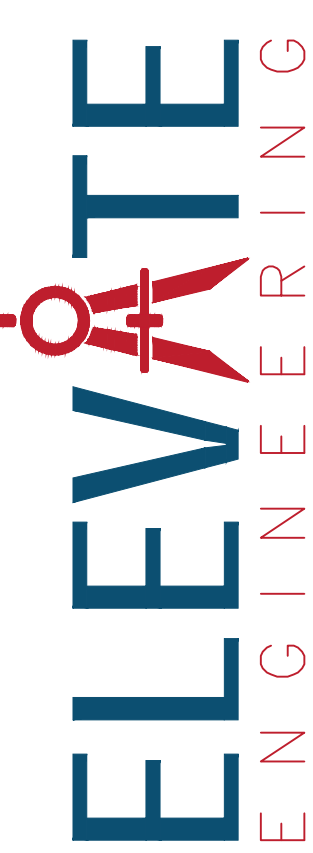
1" = 40'

LEGEND & ABBREVIATION TABLE

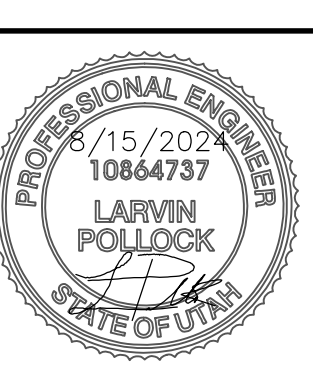
R.O.W./PROPERTY LINE	---	EXISTING CURB AND GUTTER	---
EASEMENT LINE	---	PROPOSED CURB AND GUTTER	---
CENTER LINE	---	INVERT ELEVATION	I.E.
PROPOSED TRAIL	---	TOP BACK CURB	TBC
PROPOSED WATER LINE	W-W-W	TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION	PI-PI-PI	TOP OF GRATE	TOG
PROPOSED GROUND WATER DRAIN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

NO.	REVISIONS	BY	DATE

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



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



SHEET:
G-0

DATE:
 Aug 15, 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

PROJECT ENGINEER:
LARVIN POLLOCK
ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
(801) 718-5993
LARVIN@ELEVATEENG.COM

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	
LOT AREA:	58,872 SF (1.35 ACRES)
BUILDING AREA:	4,081 SF ± 6.9%
PAVEMENT AREA:	39,102 SF ± 66.5%
LANDSCAPE AREA:	15,689 SF ± 26.6%
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:	19 STALLS
ADA STALLS:	1 STALL
NON-VACUUM STALL:	3 STALLS
STACKING:	14 STALLS
TUNNEL LENGTH:	114 FEET

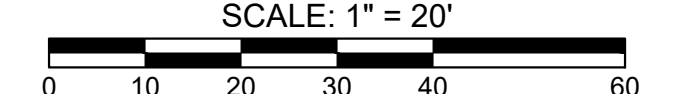
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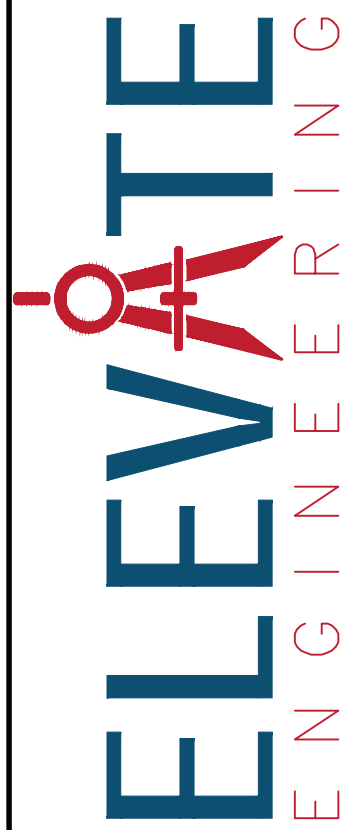
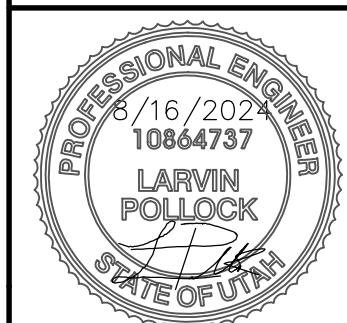
- NOTES:**
- PROPOSED 6' SIDEWALK PER DRAWING NO. CG5. SEE SHEET C-5 FOR DETAILS.
 - ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER DRAWING NO. CG1. SEE SHEET C-5 FOR DETAILS.
 - PROPOSED CURB & GUTTER TYPE E PER DRAWING NO. CG4. SEE SHEET C-5 FOR DETAILS.
 - PROPOSED ROLL CURB PER CURB & GUTTER TRANSITION 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.

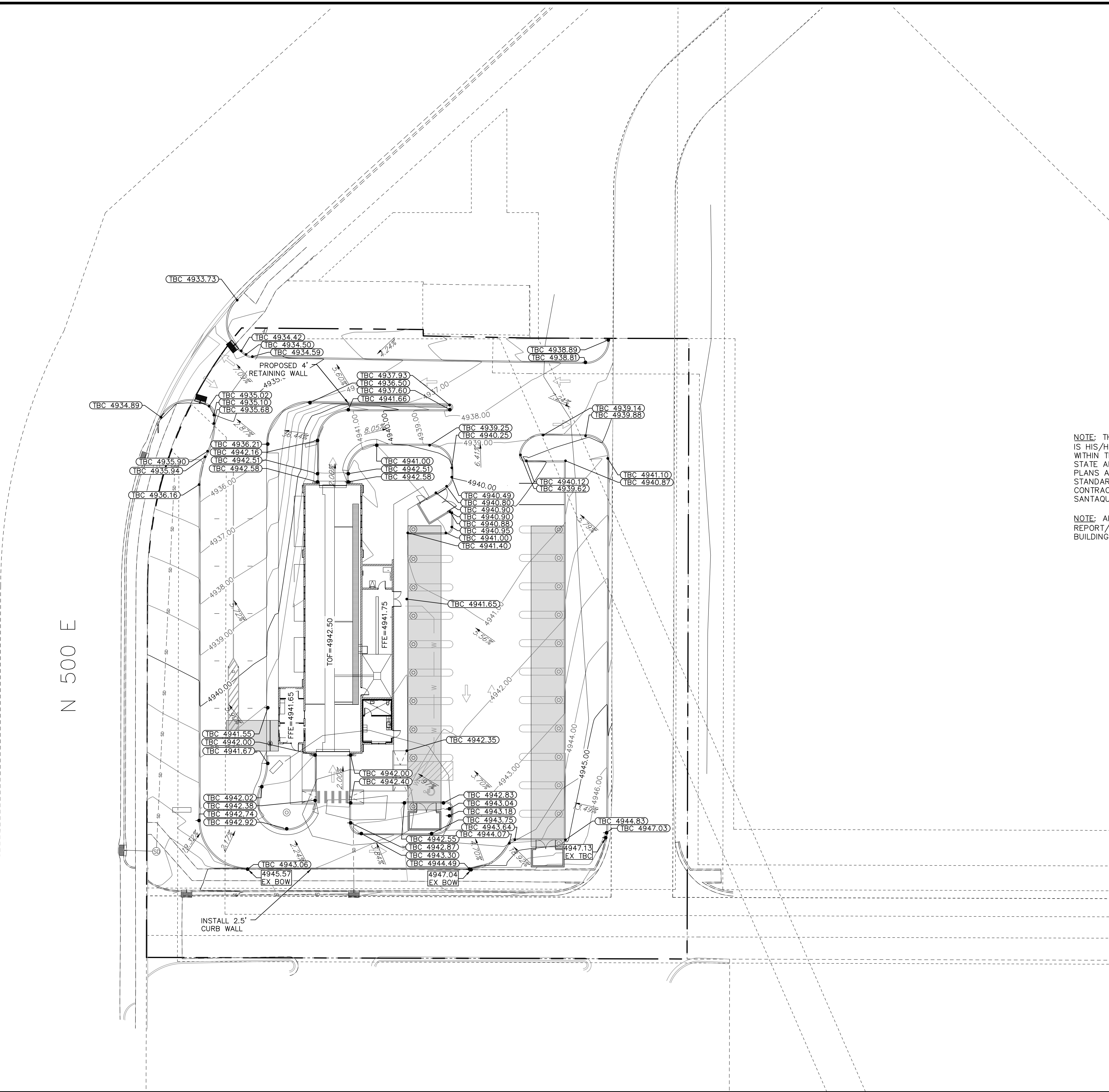



SCALE: 1" = 20'



- 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.
 - NO COMMON AREAS PROVIDED. ALL AREAS ARE FOR SOLE USE OF THE TENANT.

	<p>QUICK QUACK SANTAQUIN 500 EAST SITE PLAN 78 N 500 E, SANTAQUIN UT 84665</p>
	<p>SHEET: C-1</p> <p>DATE: Aug 16, 2024</p>



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

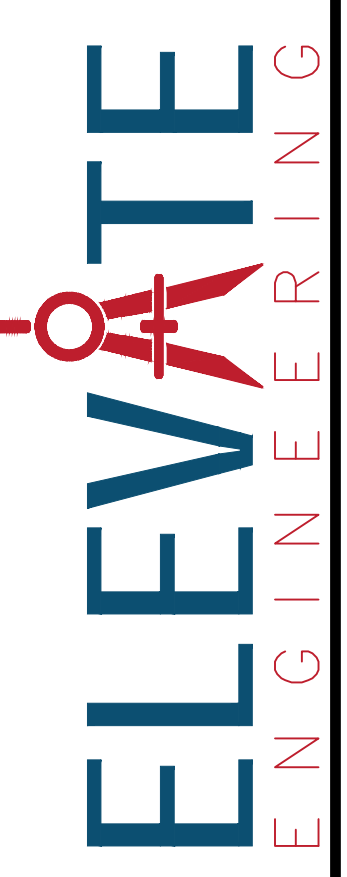
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SCALE: 1" = 20'

NO.	REVISIONS	BY	DATE

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



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

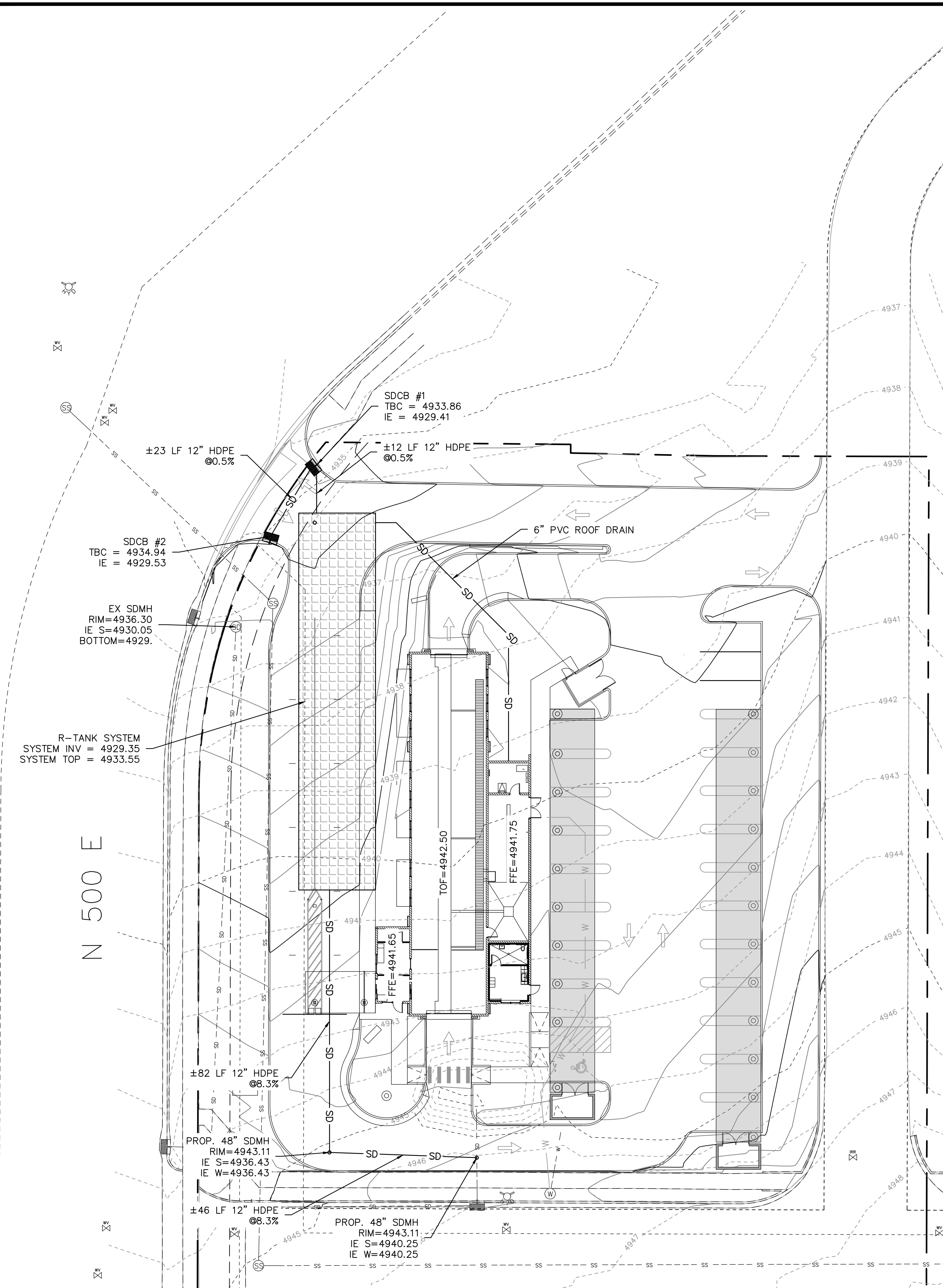


SHEET:
C-2

DATE: Aug 15, 2024

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)~
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
Ridley's Subdivision Phase 2 Required Storage: See "Ridley's Subdivision Phase 2" for calculation					920
Total Storage Required:					11445

VOLUME PROVIDED IN R-TANK				
30'X96' R-Tank Area (ft ²)	Void Ratio	Depth (ft)	Volume/LF (ft ³)/LF	Total Volume (ft ³)
2880	0.95	4.2	2736.00	11491.20
Total Individual R-TANK Volume=				11491
Number of R-TANK Systems				1
Total Volume Provided Within R-TANK Systems				11491

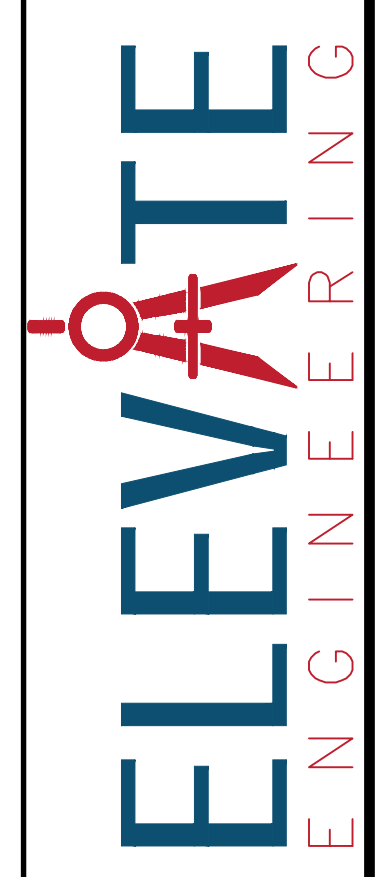
CALL BEFORE YOU DIG
BLUE STAKES 1 800 852 8711

NORTH

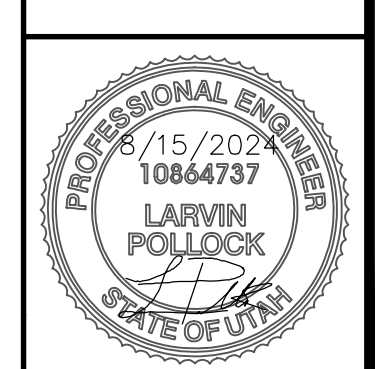
SCALE: 1" = 20'

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



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



SHEET:
C-3

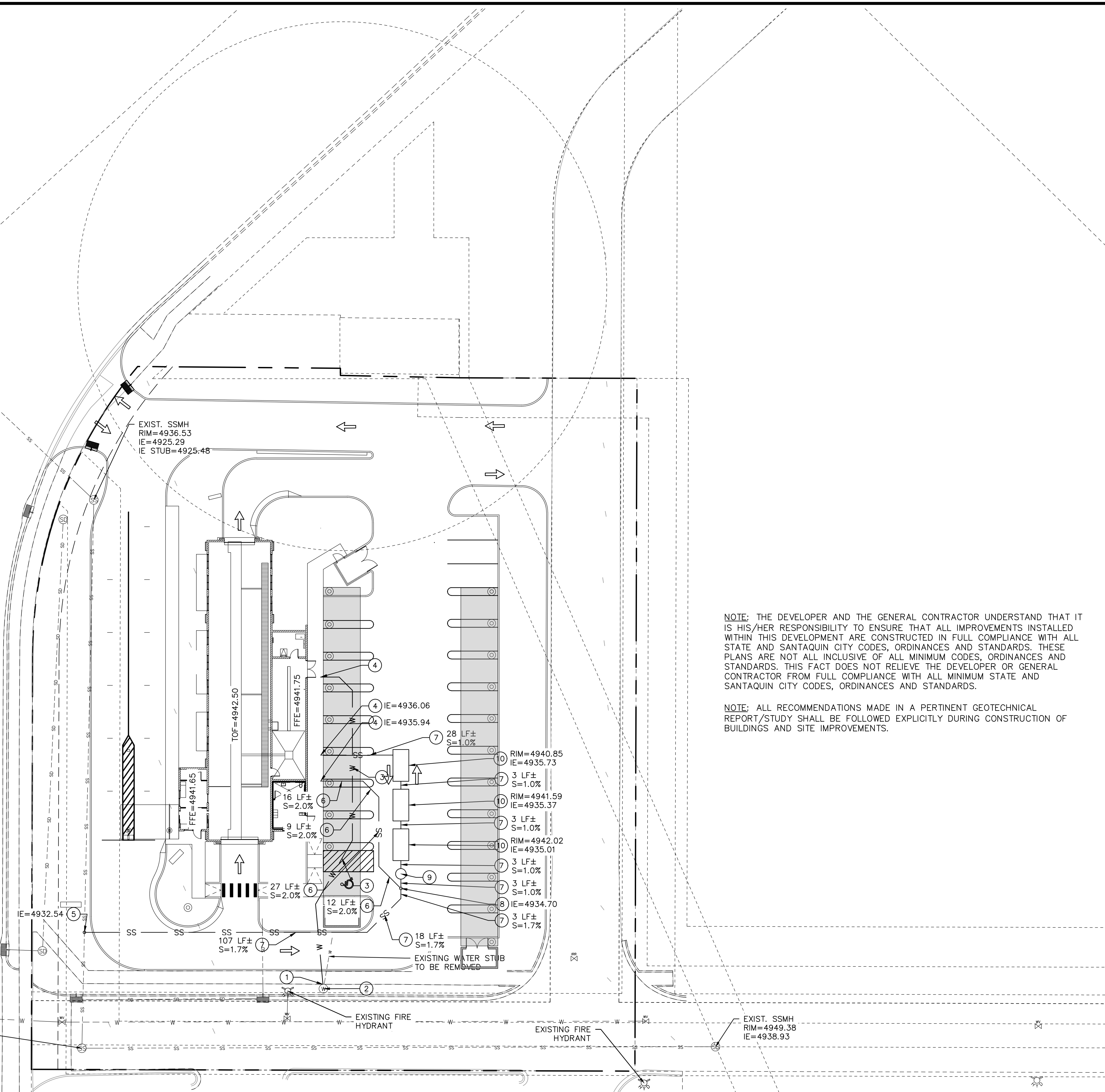
DATE: Aug 15, 2024

EXIST. SSMH
RIM=4933.84

EXIST. SSMH
RIM=4936.53
IE=4925.29
IE STUB=4925.48

N 500 E

EXIST. SSMH
RIM=4945.27
IE=4934.52



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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---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:

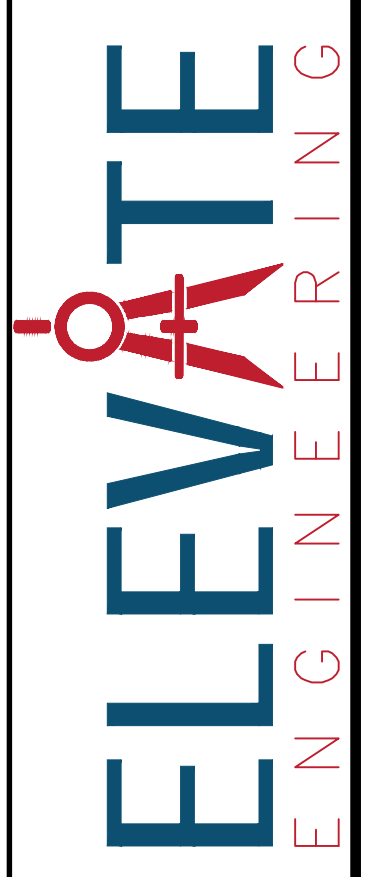
- CONNECT TO EXISTING WATER METER PER CITY STANDARDS.
- EXISTING 2" WATER METER.
- INSTALL 2" POLY WATER LINE PER CITY STANDARDS.
- END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO EXISTING SEWER MAIN PER APWA PLAN 431. SEE SHEET C-5 FOR DETAILS. CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO ANY CONSTRUCTION.
- INSTALL 4" Ø PVC SDR-35 SEWER PIPE AT 2% MIN. SLOPE.
- INSTALL 6" Ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE.
- INSTALL 6" CLEANOUT.
- INSTALL 48" SANITARY SEWER SAMPLING MANHOLE PER APWA PLAN 411. SEE SHEET C-5 FOR DETAILS.
RIM=4942.50
IE IN=4934.98
IE OUT= 4934.73
- INSTALL 1500 GAL. GREASE INTERCEPTOR/RECLAIM TANKS. INSTALL 3' OF 6" Ø PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE BETWEEN TANKS. COORDINATE WITH PLUMBING PLANS FOR DETAILS.

GENERAL NOTES:

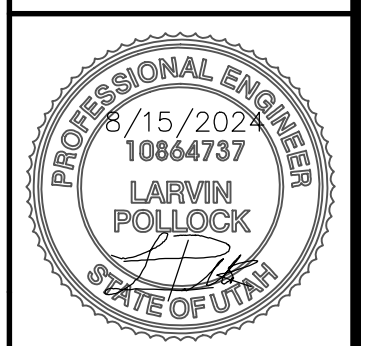
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
- ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
- ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT 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 GRADING AND DRAINAGE PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
- ALL WORK TO BE ACCORDING TO CITY STANDARDS.

NO.	REVISIONS	BY	DATE

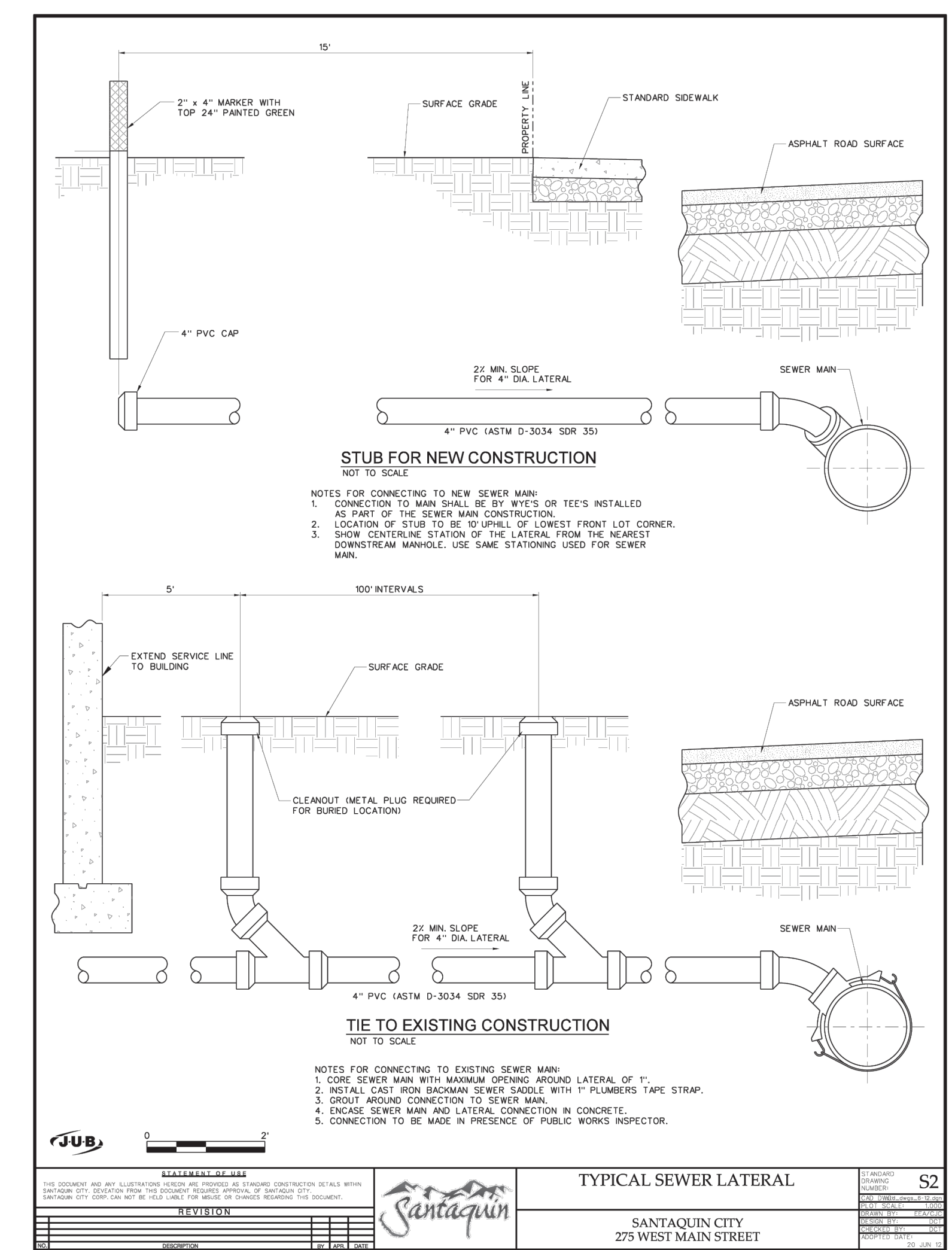
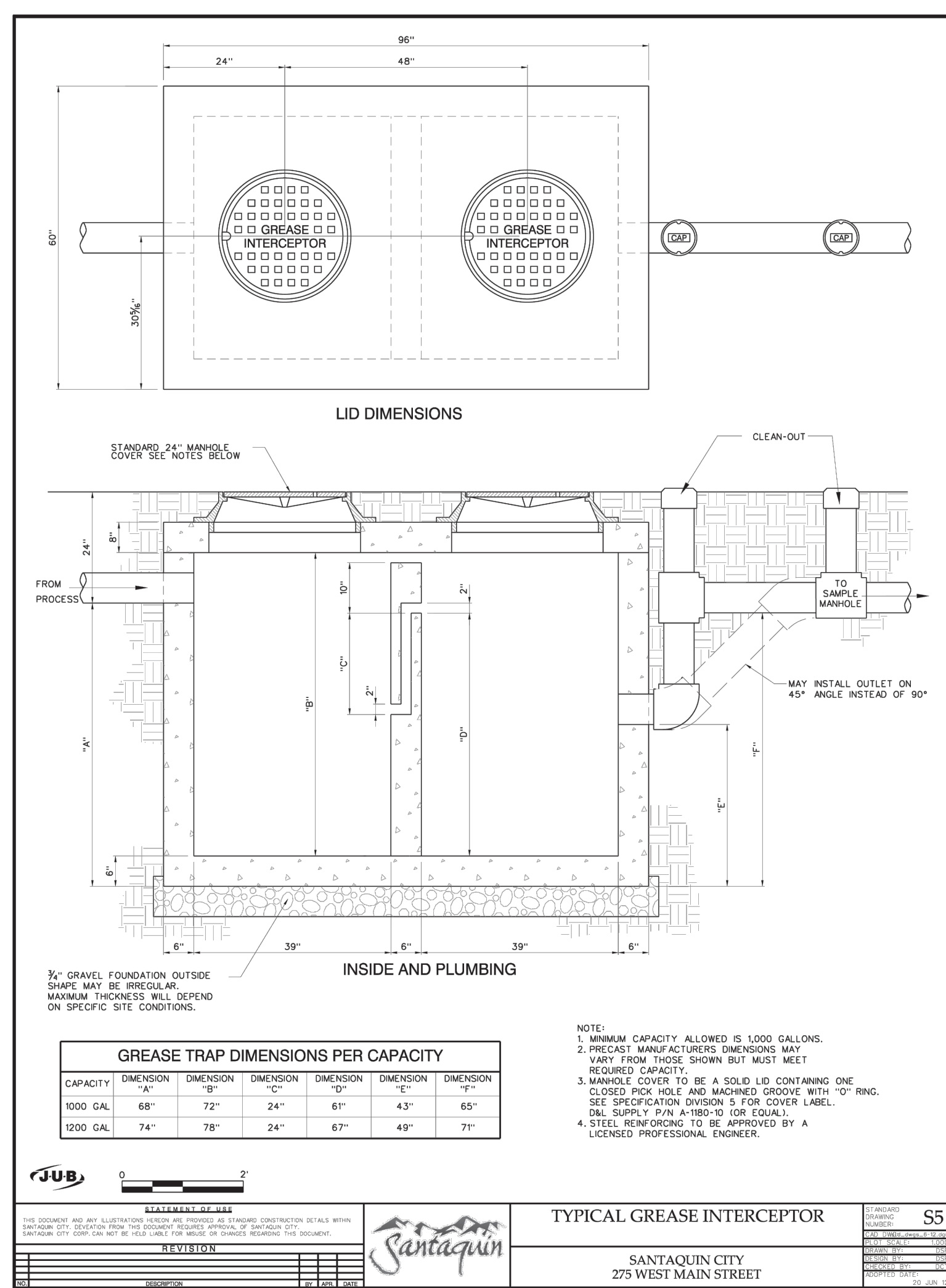
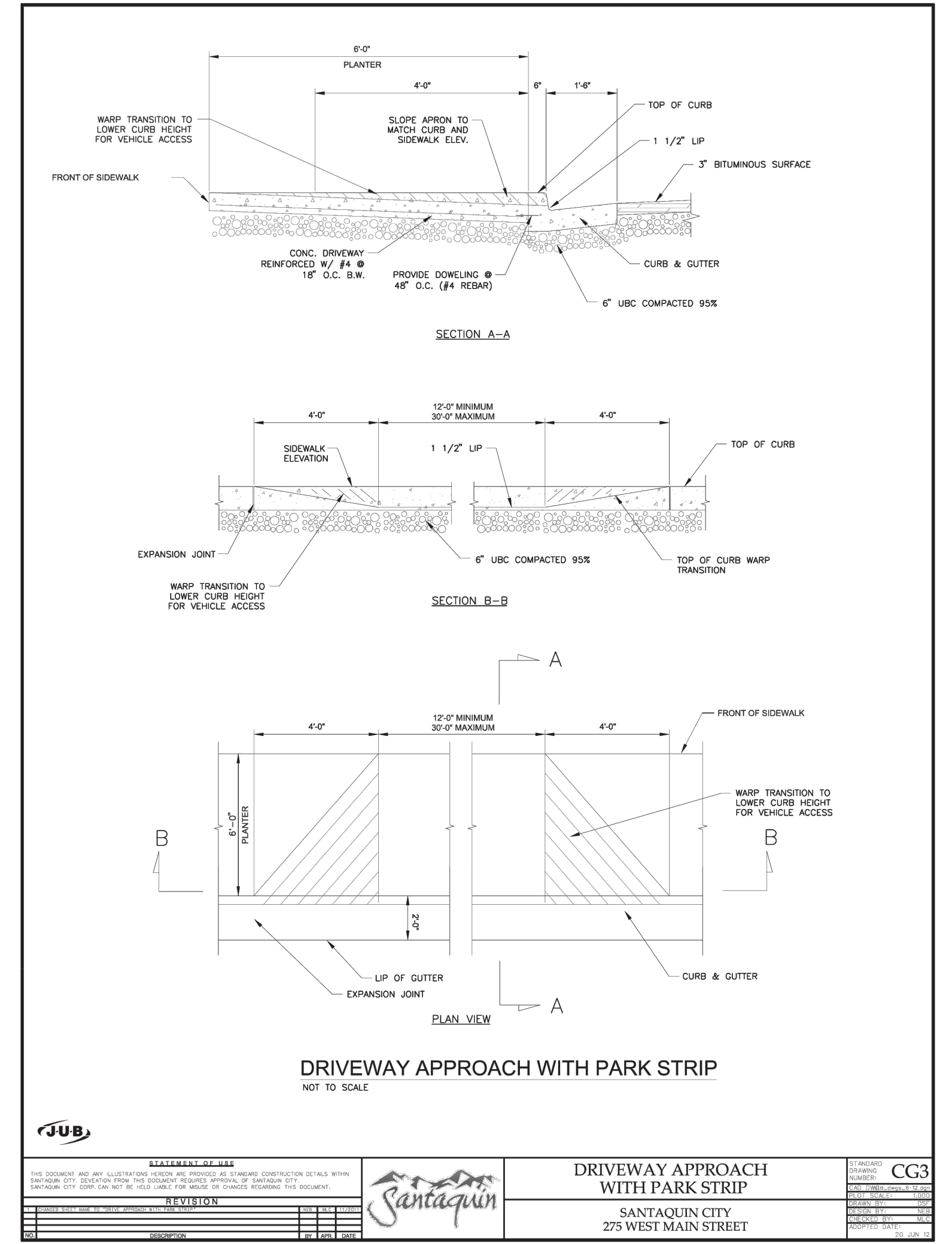
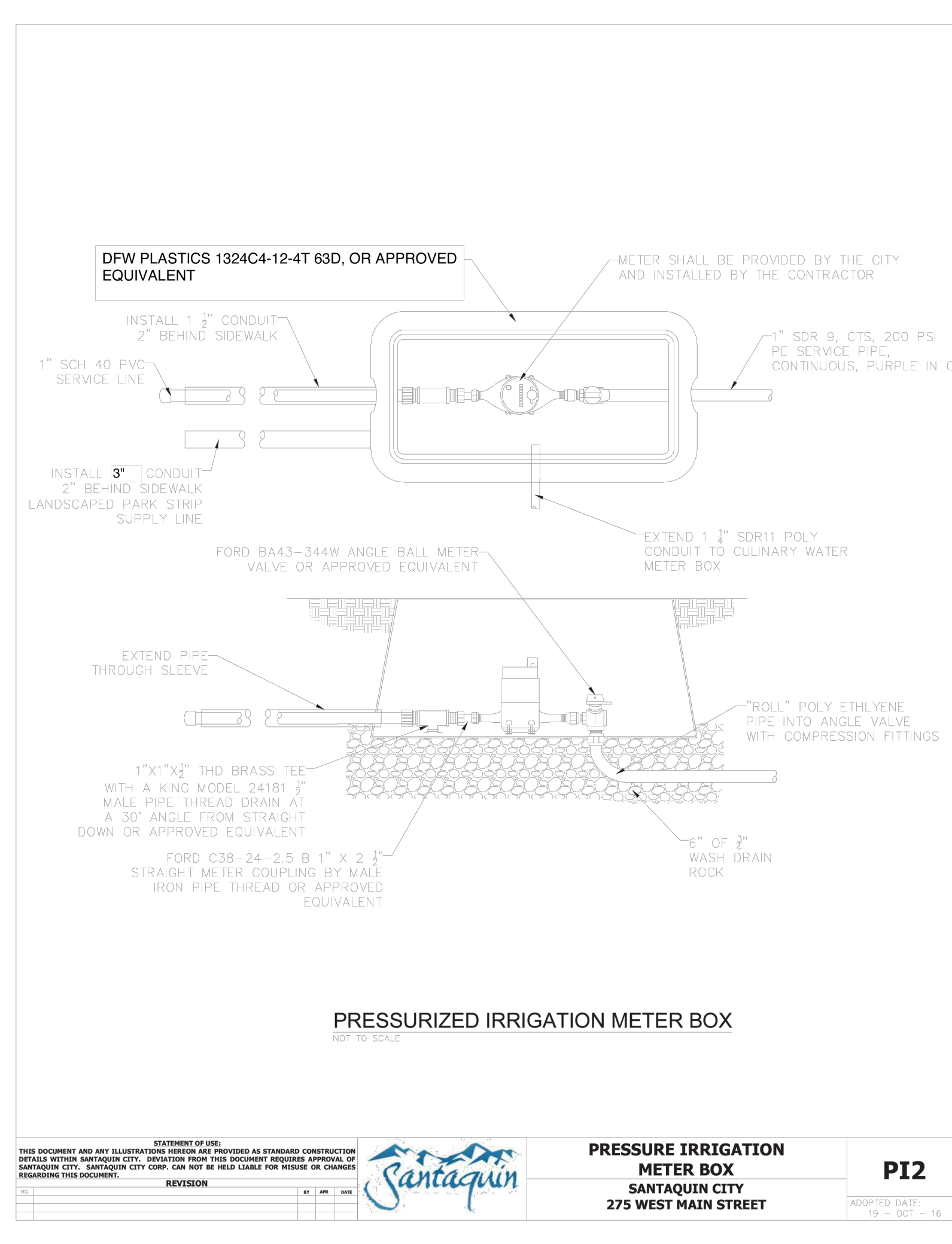
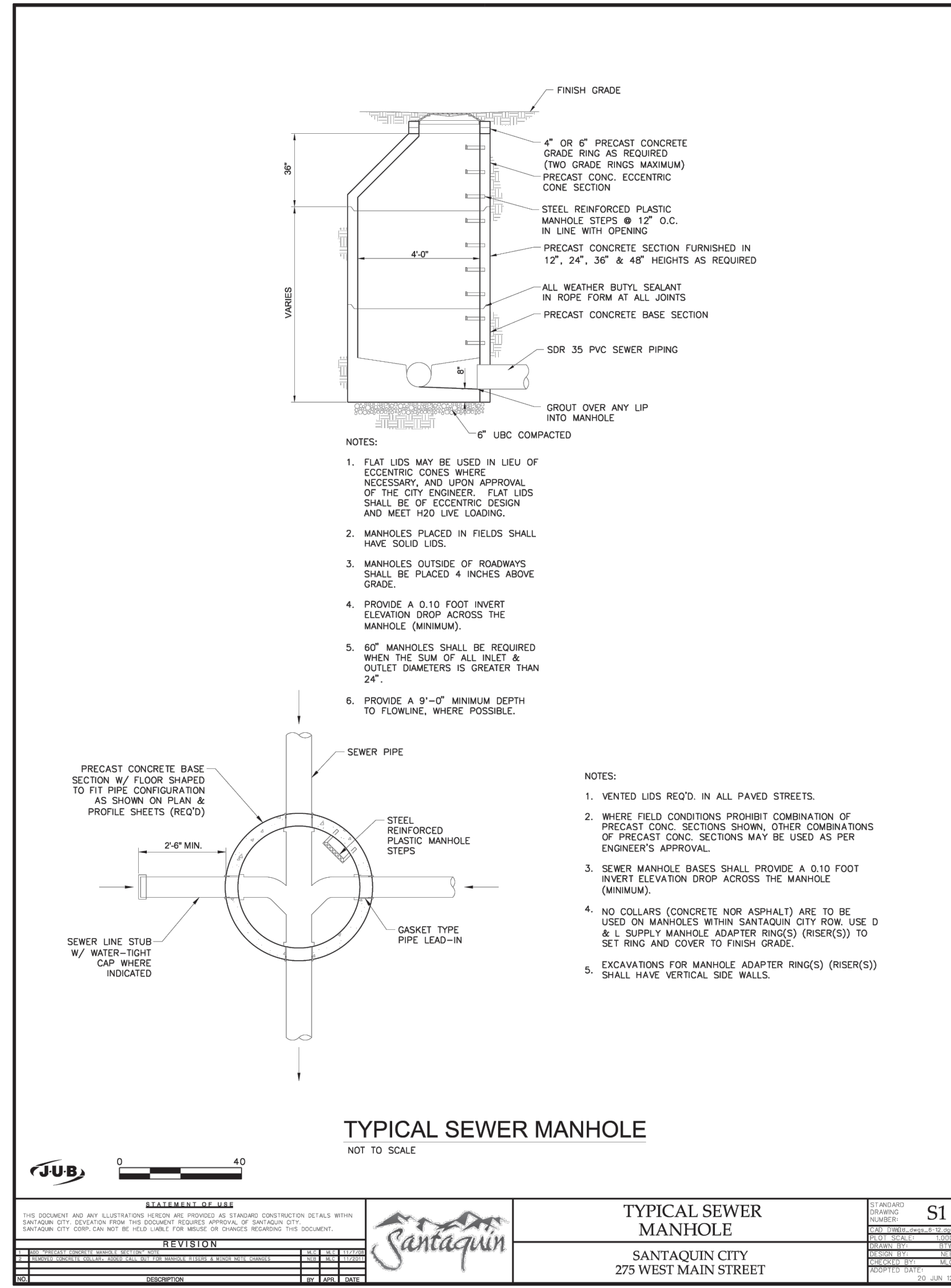
ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84663
PHONE: (801) 748-5993
elevationeng.com



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



SHEET:
C-4
DATE:
Aug 15, 2024



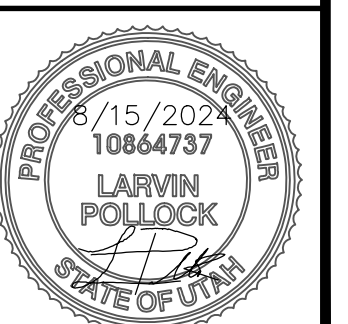
NO.	DATE	REVISIONS

ELEVATE ENGINEERING
2208 WEST 700 SOUTH
SPRINGVILLE, UT 84603
PHONE: 801-770-5995
lev@elevateeng.com

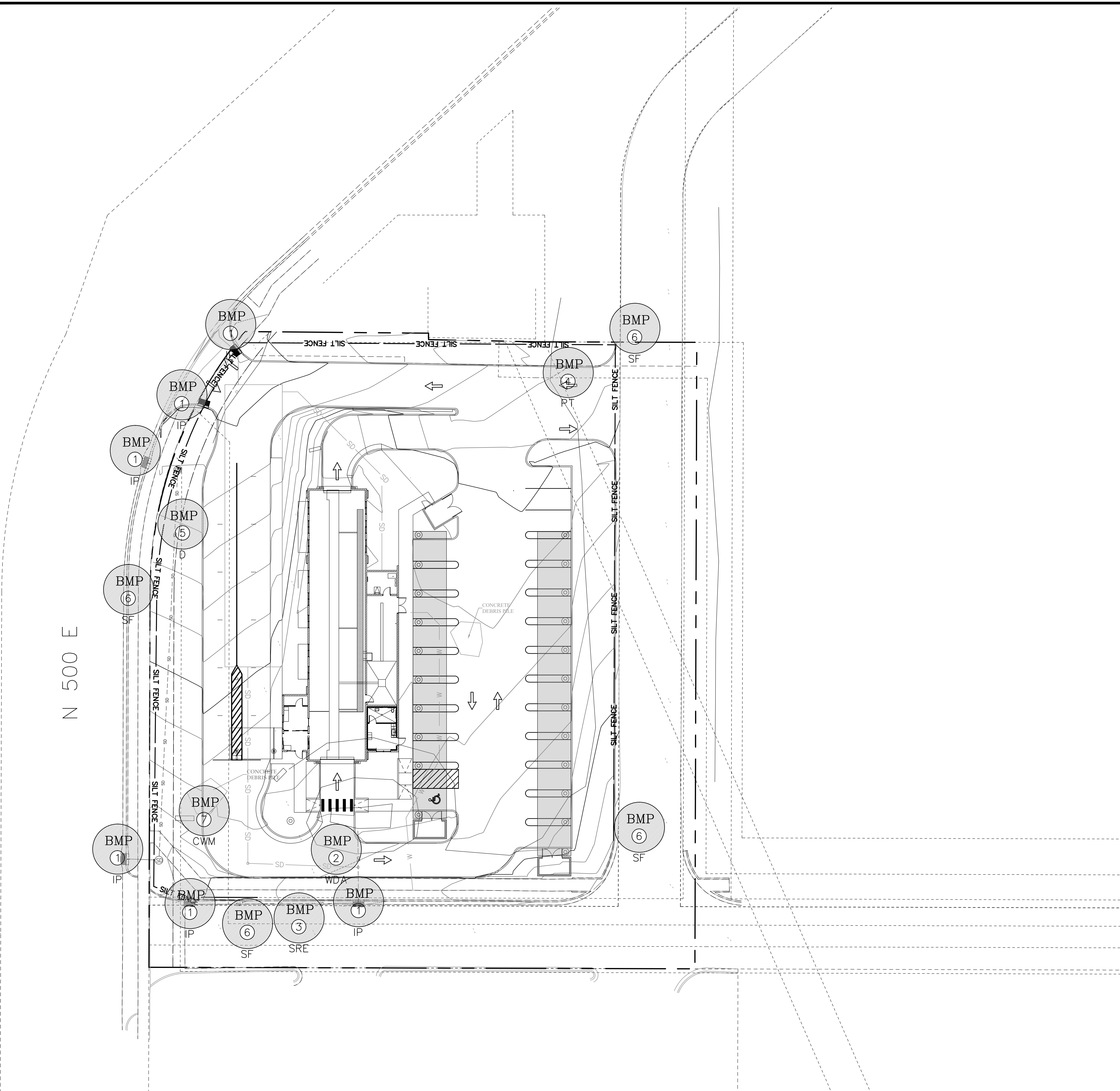
ELEVATE ENGINEERING

PROJECT ENGINEER: LP

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



SHEET: **C-6**
DATE: Aug 15, 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--
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

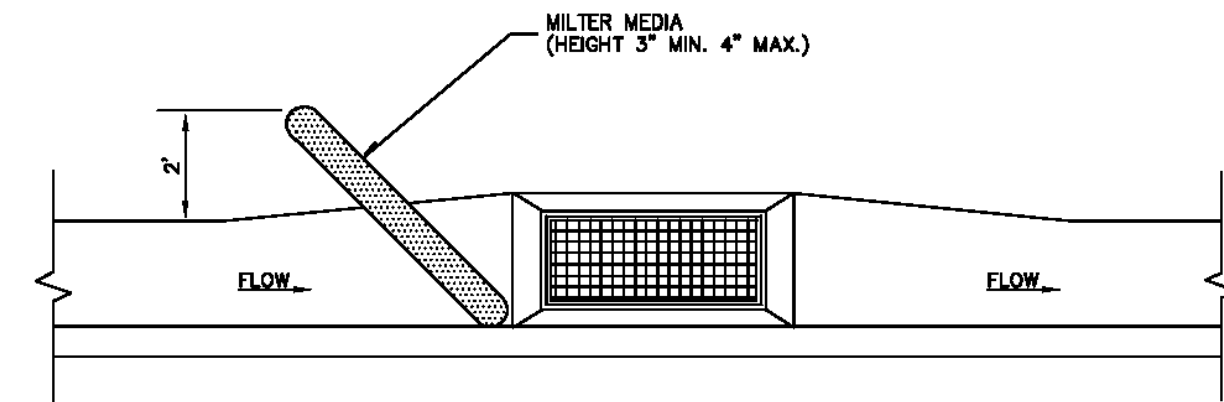
SEE SHEET C-8 FOR BMP DETAILS

NORTH

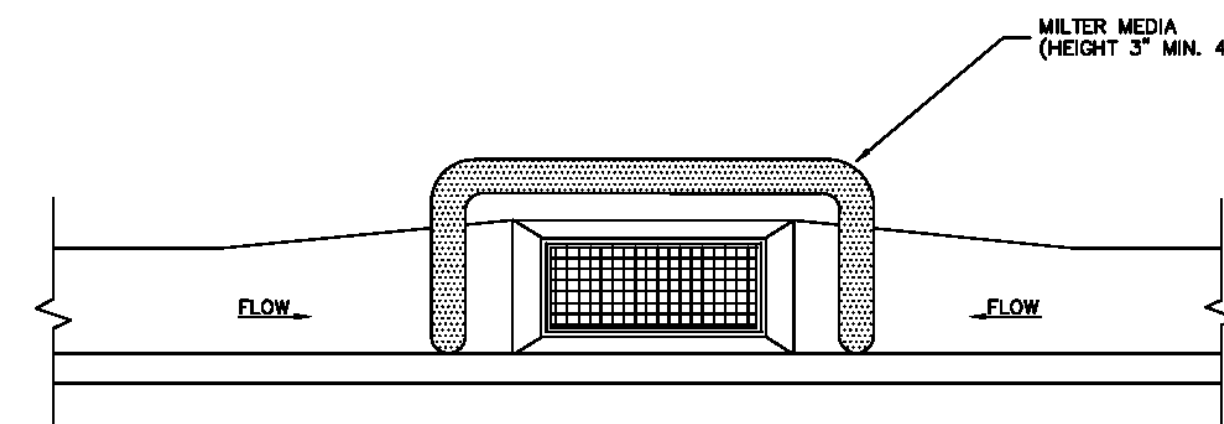
SCALE: 1" = 20'

NO.	REVISIONS	BY	DATE	<p style="font-size: small;">ELEVATE ENGINEERING 2208 WEST 700 SOUTH SPRINGVILLE, UT 84663 PHONE: (801) 748-5993 www.elevateeng.com</p> <p style="font-size: x-large; font-weight: bold; color: red;">ELEVATE</p> <p style="font-size: small; color: red;">ENGINEERING</p>
<p style="font-weight: bold; font-size: small;">QUICK QUACK SANTAQUIN 500 EAST SWPPP PLAN</p> <p style="font-size: x-small;">78 N 500 E, SANTAQUIN UT 84655</p>				<p style="font-size: x-small;">PROJECT ENGINEER: LP DESIGNER: JM</p>
<p style="font-size: x-small;">PROFESSIONAL ENGINEER 1/15/2024 10864737 LARVIN POLLOCK STATE OF UTAH</p>				<p style="font-weight: bold; font-size: large;">C-7</p>
<p style="font-size: x-small;">DATE: Aug 15, 2024</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

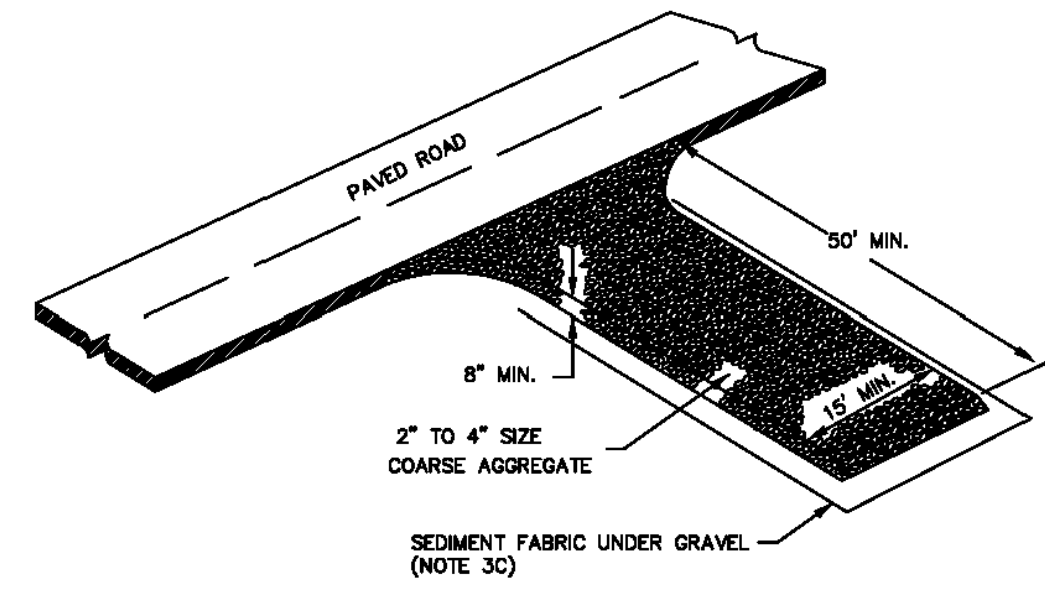
Plan No. **124**

September 2008 11 Drawing 1 of 3

Inlet protection - gravel sock

1. DESCRIPTION: Placement of gravel sock on grade upstream of, or in front of storm drain inlets to filter or pond water runoff
2. APPLICATION: At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - A. On-grade inlet protection:
 1. 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.
 2. Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
 3. Install filter media just upstream of the inlet box.
 4. 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.
 5. Excessive flows will flow either over or around the filter media and into the inlet box.
 6. Expect ponding behind the filter media.
 - B. Drop inlet protection:
 1. Drop inlet protection should be used at low points in the curb and when diverting flows further downstream will not cause undesirable results.
 2. Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
 3. Install filter media around the entire perimeter of the inlet grate.
 4. Filter media shall butt tightly against the face of the curb on both sides of the inlet grate.
 5. Excessive flows will either flow around the media or over the top and into the inlet box.
 6. Expect ponding around the inlet box.
4. MAINTENANCE:
 - A. Inspect inlet protection after every large storm event and at a minimum of once monthly.
 - B. Remove sediment accumulated when it reaches 2 inches in depth.
 - C. Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

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Stabilized roadway entrance

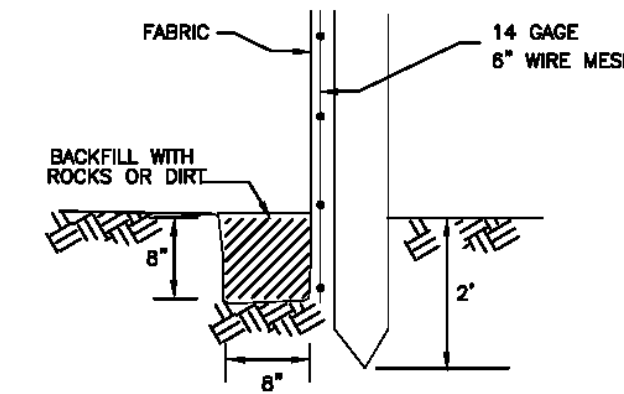
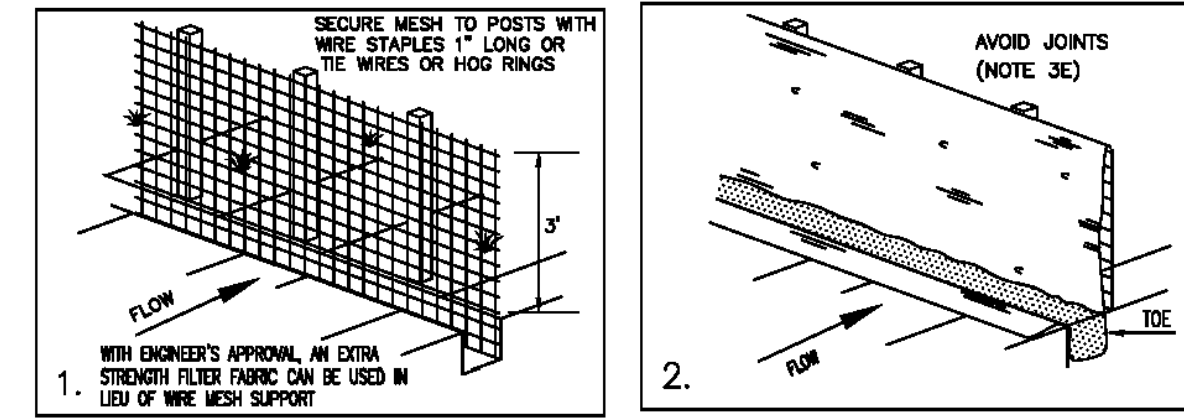
Plan No. **126**

February 2006 19

Stabilized roadway entrance

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

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

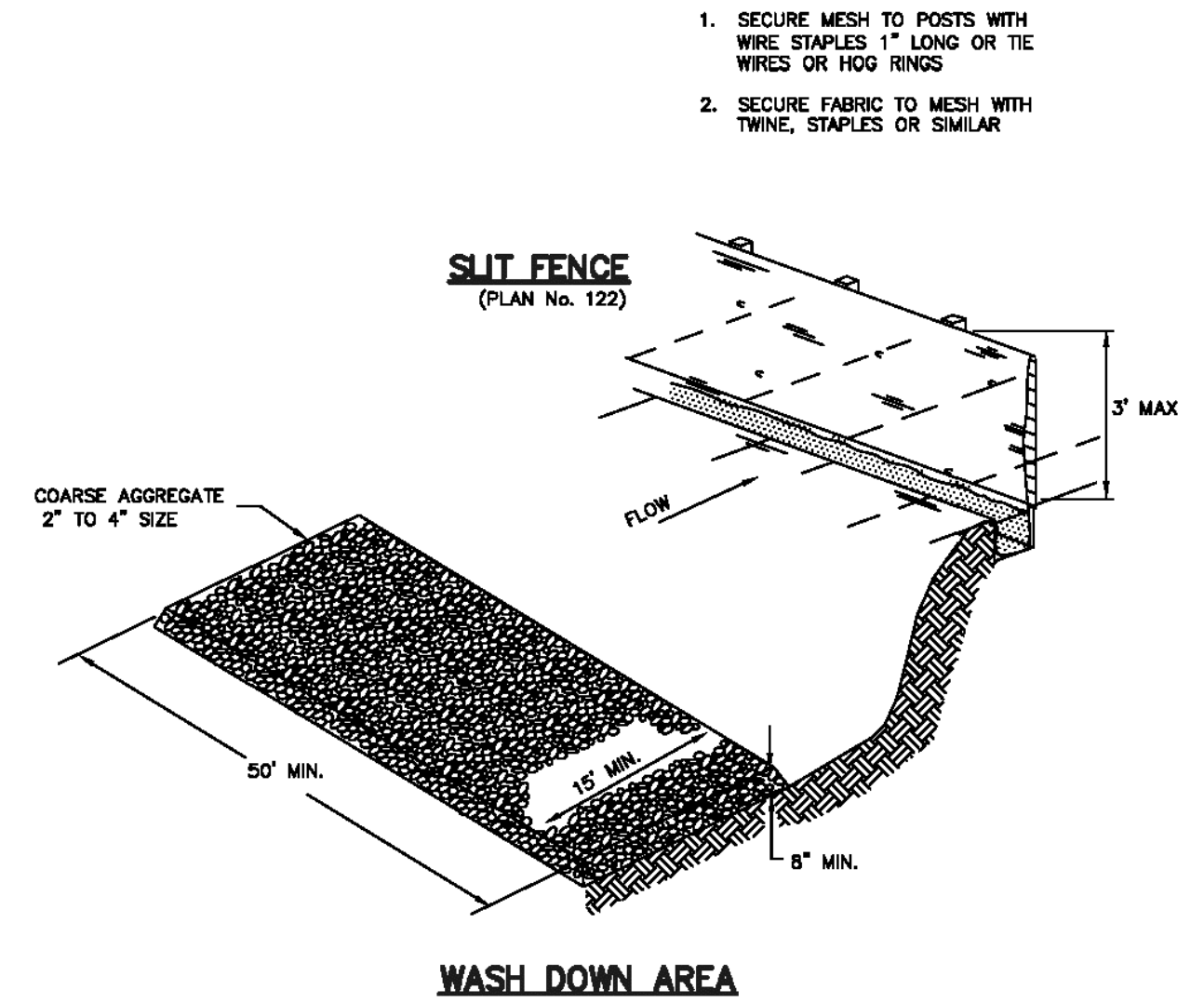
Plan No. **122**

February 2006 7

Silt fence

1. DESCRIPTION: A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched.
2. APPLICATION: To intercept sediment from disturbed areas of limited extent.
 - A. Perimeter Control: Place barrier at down gradient limits of disturbance.
 - B. Sediment Barrier: Place barrier at toe of slope or soil stockpile.
 - C. Protection of Existing Waterways: Place barrier at top of stream bank.
 - D. Inlet Protection.
3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - A. 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.
 - B. Burlap shall be 10 ounces per square yard of fabric.
 - C. 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.
 - D. 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.
 - E. 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.
 - F. 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.
4. MAINTENANCE:
 - A. Inspected immediately after each rainfall and at least daily during prolonged rainfall.
 - B. 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.
 - C. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
 - D. Re-anchor fence as necessary to prevent shortcutting.
 - E. Inspect for runoff bypassing ends of barriers or undercutting barriers.

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Equipment and vehicle wash down area

Plan No. **125**

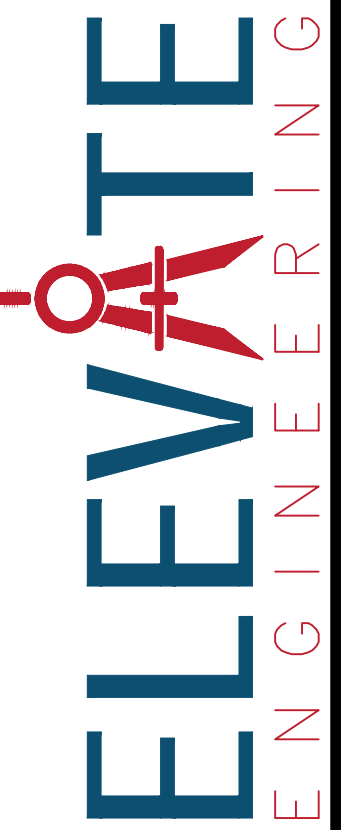
February 2006 17

Equipment and vehicle wash down area

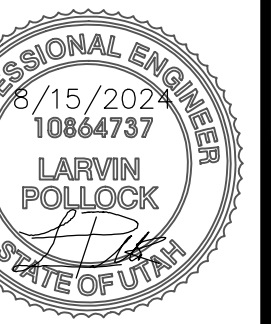
1. DESCRIPTION: A temporary stabilized pad of gravel for general washing of equipment and construction vehicles.
2. APPLICATION: At any site where regular washing of vehicles and equipment will occur. May also be used as a filling point for water trucks limiting erosion caused by overflow or spillage of water.
3. INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
 - A. Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
 - B. Compact subgrade.
 - C. Place filter fabric under wash down area if desired (recommended for wash area that remains more than 3 months).
 - D. Install silt fence down gradient (see Plan No. 122)
4. MAINTENANCE:
 - A. Requires periodic top dressing with additional stones.
 - B. 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).
 - C. The wash area shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way.
 - D. Periodic top dressing with 2 inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
 - E. Inspect daily for loss of gravel or sediment buildup.
 - F. Inspect adjacent area for sediment deposit and install additional controls as necessary.
 - G. Expand stabilized area as required to accommodate activities.
 - H. Maintain silt fence as outlined in Plan No. 122.

NO.	REVISIONS	BY	DATE

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



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



SHEET:
C-8
DATE:
Aug 15, 2024

Plant List (TREES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
4		<i>Crataegus crus-galli</i>	Cockspur Hawthorn	2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
5		<i>Koeleruteria p.</i> 'Golden Candle'	Golden Rain Tree	2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
3		<i>Pinus leucodermis heidreichii</i>	Dwarf Boenlan Pine	6'-8" Height B & B	Full Throughout Specimen
1		<i>Syringa reticulata</i> 'Ivory Silk'	Japanese Tree Lilac	2" Caliper 8'-10" Height	Full Head Crown Straight Trunk
8		<i>Zelcova serrata</i> 'Musashino'	Musashino Zelcova	2" Caliper 10'-12" Height	Full Head Crown Straight Trunk

Plant List (SHRUBS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
14		<i>Berberis thund.</i> 'Crimson Pygmy'	Crimson Pygmy Barberry	5 Gallon	15"-18" Height
7		<i>Ligustrum x. vicaryi</i>	Golden Privet	5 Gallon	18"-24" Height
3		<i>Physocarpus o.</i> 'Summer Wine'	Summer Wine Ninebark	5 Gallon	24"-30" Height
23		<i>Prunus besseyi</i> 'Paunsee Buttes'	Paunsee Buttes Sandcherry	5 Gallon	18"-24" Spread
4		<i>Rhus typhina</i> 'Baltiger'	Tiger Eye's Sumac	5 Gallon	24"-30" Height
10		<i>Rosa</i> 'Knock Out Red'	Knock Out Red Rose	5 Gallon	18"-24" Height
4		<i>Spiraea bumalda</i> 'Goldmound'	Goldmound Spiraea	5 Gallon	15"-18" Height
27		<i>Spiraea japonica</i> 'Neon Flash'	Neon Flash Spiraea	5 Gallon	15"-18" Height
9		<i>Syringa vulgaris</i>	Common Lilac	5 Gallon	24"-30" Height
12		<i>Yucca filam.</i> 'Golden Sword'	Golden Sword Yucca	5 Gallon	15"-18" Height

Plant List (ORNAMENTAL GRASSES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
14		<i>Calamagrostis a.</i> 'Avalanche'	Avalanche Feather Grass	5 Gallon	18"-24" Height
15		<i>Calamagrostis a.</i> 'Foerster'	Foerster Feather Grass	5 Gallon	18"-24" Height
2		<i>Miscanthus sinensis</i> 'Gracillimus'	Maiden Grass	5 Gallon	24"-30" Height
34		<i>Pennisetum alopec.</i> 'Hamein'	Hamein Fountain Grass	5 Gallon	15"-18" Height

Plant List (PERENNIALS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
22		<i>Hemerocallis</i> 'Stella d'Oro'	Stella d'Oro Day Lily	1 Gallon	Full Can
31		<i>Lavandula</i> 'Hidcote Blue'	Blue Lavender	1 Gallon	Full Can
51		<i>Salvia</i> '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. Provide a chemical analysis of all topsoil for approval.
- Prior to placement of topsoil, all subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches, by the use of mechanical means, in order to create a transition layer between existing and new soils.
- All plant material holes shall be dug twice the diameter of the rootball and 6 inches deeper. Excavated material shall be removed from the site.
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Pep/or equal), and shall be rotary mixed on-site prior to installation.
- Plant fertilizer shall be 'Agriform' brand 21 gram tablets used as per manufacturers recommendations.
- Upon completion of planting operations, all shrub pits and tree wells shall receive a 4 inch depth of shredded bark mulch to cover. The overall shrub beds themselves (beyond plant wells) shall receive a 4" depth of decorative stone surfacing over Pro-5 weed barrier fabric.
- In decorative stone beds, cut the fabric from around the water well of each plant, then apply fine ground bark inside water well. The remainder of the planter bed shall receive the depth of decorative stone.
- Landscape maintenance shall be required for a period through the second mowing of the lawn (if used) 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.

General Notes

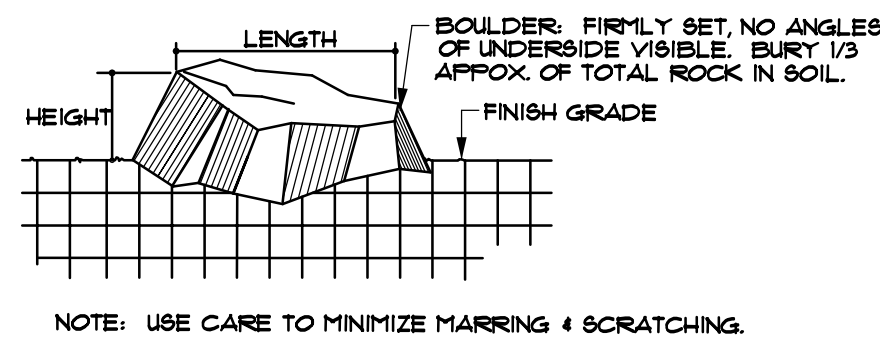
- All bidding landscape contractors shall have a minimum of 5 years experience in the installation of commercial landscapes and irrigation projects, and be able to supply the necessary staff to perform all tasks associated with this project and in a professional and timely manner.
- The landscape contractor, at all times, shall have personnel on-site experienced in being able to interpret the drawings correctly, and accurately measure the design layout using the specified scale.
- 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 all walks, curbs, etc.
- 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

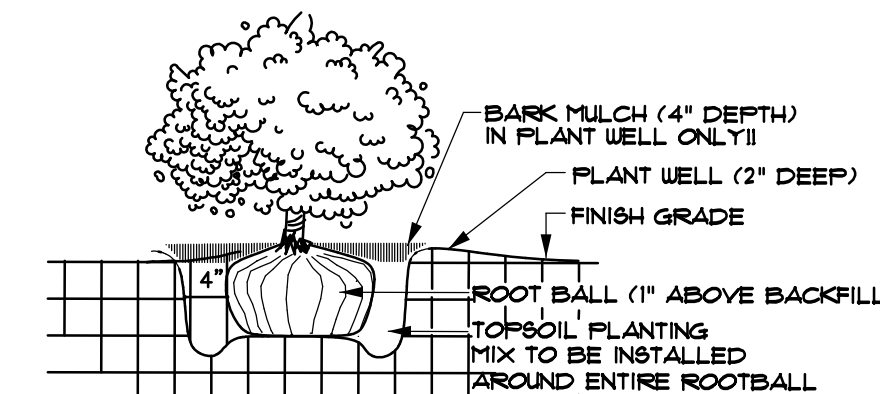
- LAWN AREAS:** Six (6) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with the sodding material, leaving it slightly below finish grade.
- SHRUB AREAS:** Eight (8) inches below finish grade. This will allow for the installation of a four inch depth of topsoil, along with a four inch depth of bark mulch or decorative stone, leaving it slightly below finish grade and concrete areas.
- ROCK ONLY AREAS:** Seven (7) inches below finish grade. This will allow for the installation of a six inch depth of decorative stone over the weed barrier fabric, leaving it slightly below finish grade and concrete areas.
- SUB-GRADE COORDINATION:** The Landscape 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

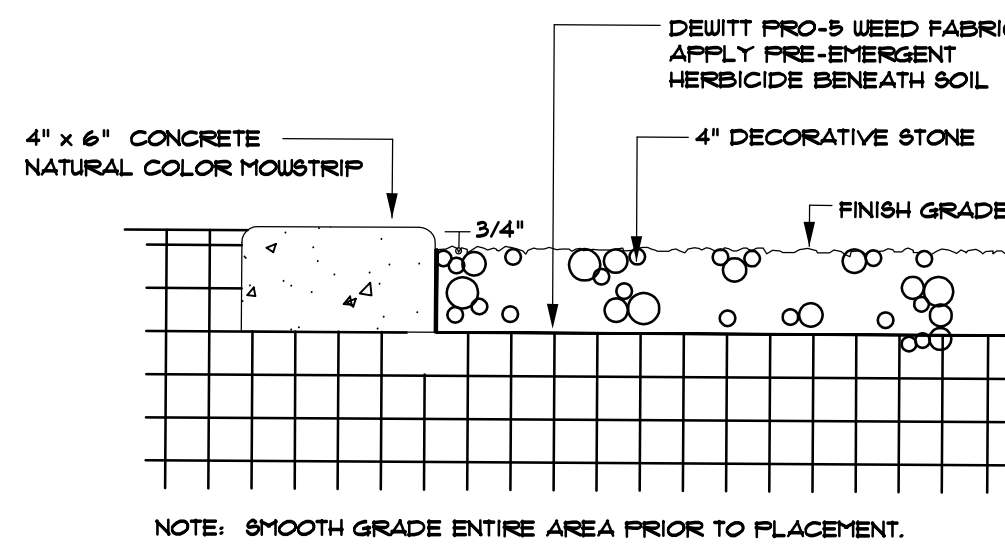
Symbol	Description	Remarks
	Landscape Boulder / 3'-4" Min. Size / Individually Placed	Boulder Type And Color Shall Be From Nearest Local Source, Blonde-Tan Colored Quartzite, Block Edges (Not Rounded).
	4" x 6" Extruded Concrete Mowstrip / Natural Color	Install In Straight True Lines And Uniform Curves, 4" Between All Lawn And Shrub Areas. Compact Sub-grade To 90% Prior To Installation.
	New Lawn Area / Water Conservative Mixture	Install In Areas Shown Over A 4 Inch Depth Of Import Topsoil. Top Of Lawn To Be 1 Inch Below Finish Grade Of Concrete Surfaces.
	Rock ONLY Area / Cobble / 4" Minus Size / "Nephi Gray"	Install In Areas Shown To A Depth Of 6 Inches Over "Dewitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.
	New Shrub - Rock Area / 2" Min. Size / Grayish Color	Install In Areas Shown To A Depth Of 4 Inches Over "Dewitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.
	New Shrub - Rock Area / 1" Min. Size / Earhtone Color	Install In Areas Shown To A Depth Of 4 Inches Over "Dewitt" Brand Weed Barrier Fabric. Provide Pre-emergent Herbicide Application.



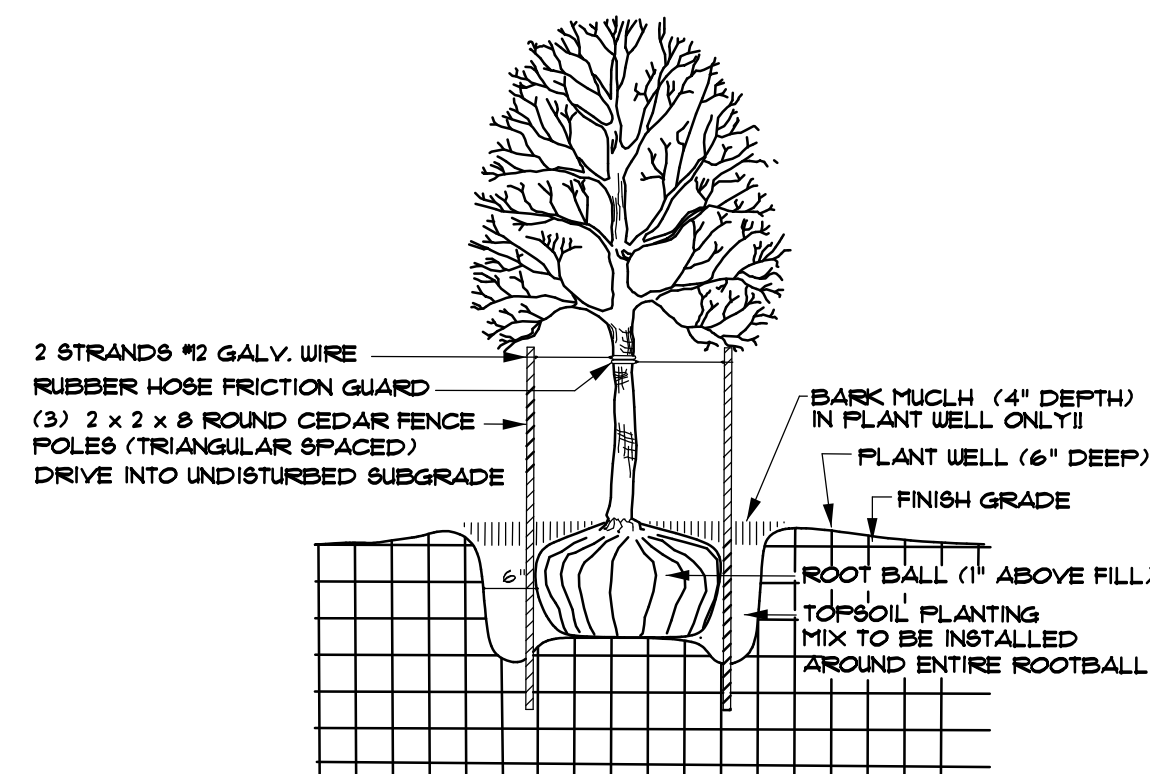
1 Decorative Boulder
L-1 N.T.S.



2 Shrub Planting
L-1 N.T.S.



3 Mowstrip - Stone Mulch
L-1 N.T.S.



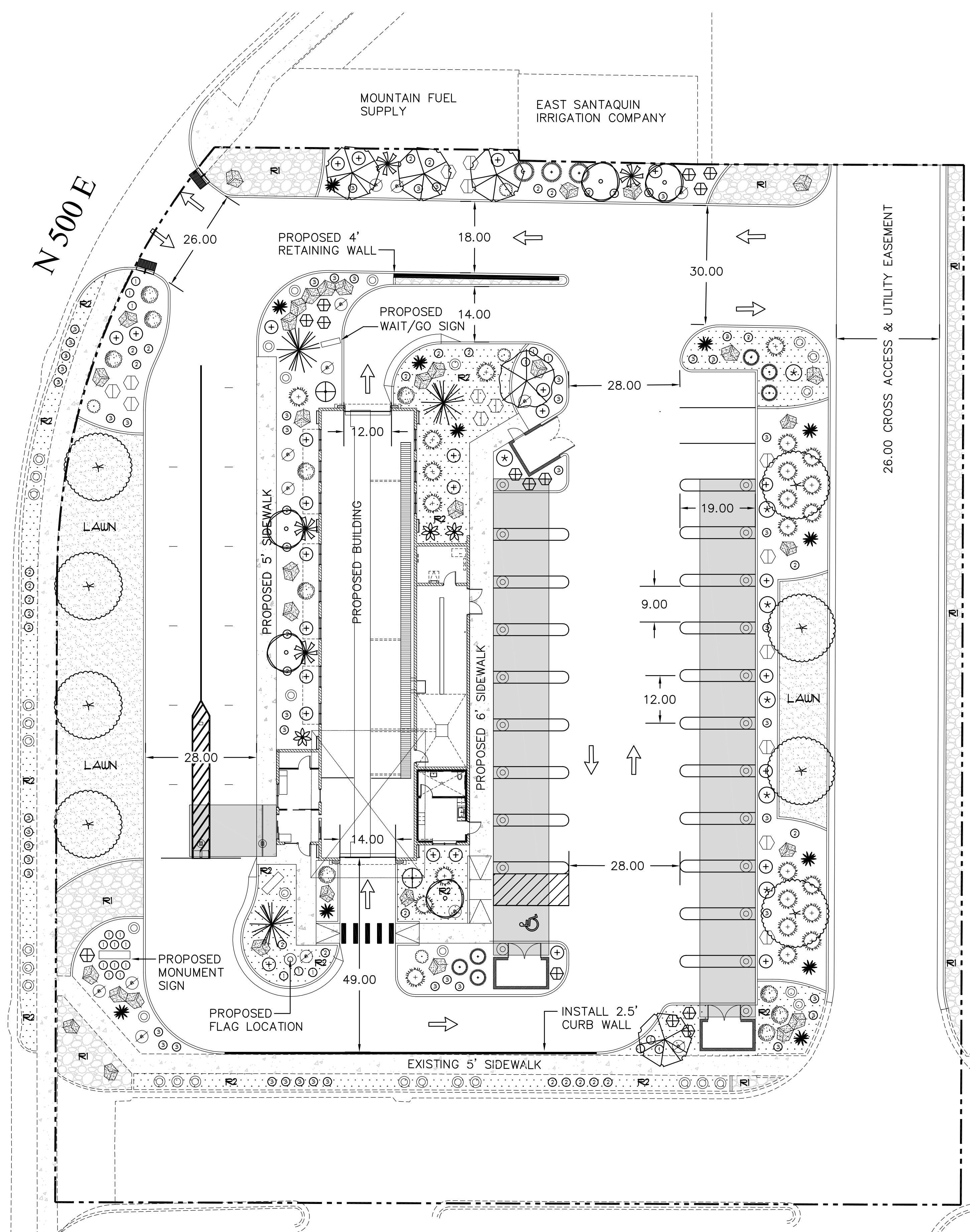
4 Tree Planting
L-1 N.T.S.



Scale In Feet : 1/16"=1'-0"

Landscape Architect

RDL Design Company, Inc.
1020 East Yale Avenue
Salt Lake City, Utah 84105
Phone : 801-641-3114
Email : raldesign@comcast.net



Landscape Area Calculations

TOTAL LANDSCAPE AREA:	15,689 SF.	100 %
TOTAL LAWN AREA:	2,990 SF.	19.1 %
TOTAL ROCK ONLY AREA:	2,131 SF.	13.6 %
TOTAL PLANTING AREA:	10,568 SF.	67.3 %

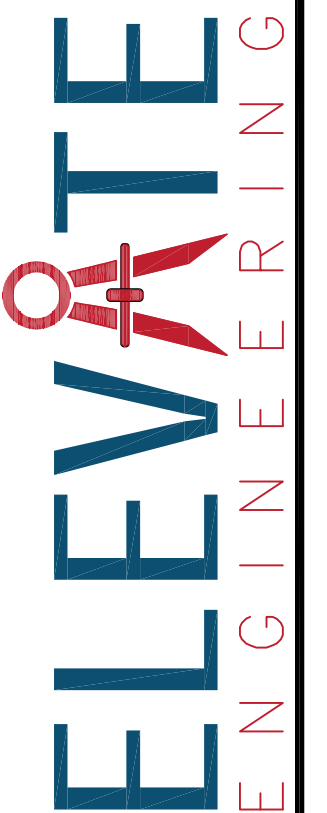
Special Note

All ground or wall mounted utility equipment, meters, transformers, HVAC equipment, etc. shall be screened.
S.C.C. 1020120F.5.d.

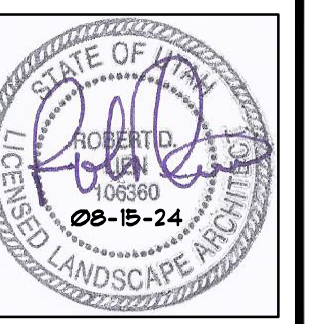
NO.	REVISIONS	BY	DATE

PROJECT ENGINEER: LP
DESIGNER: DP

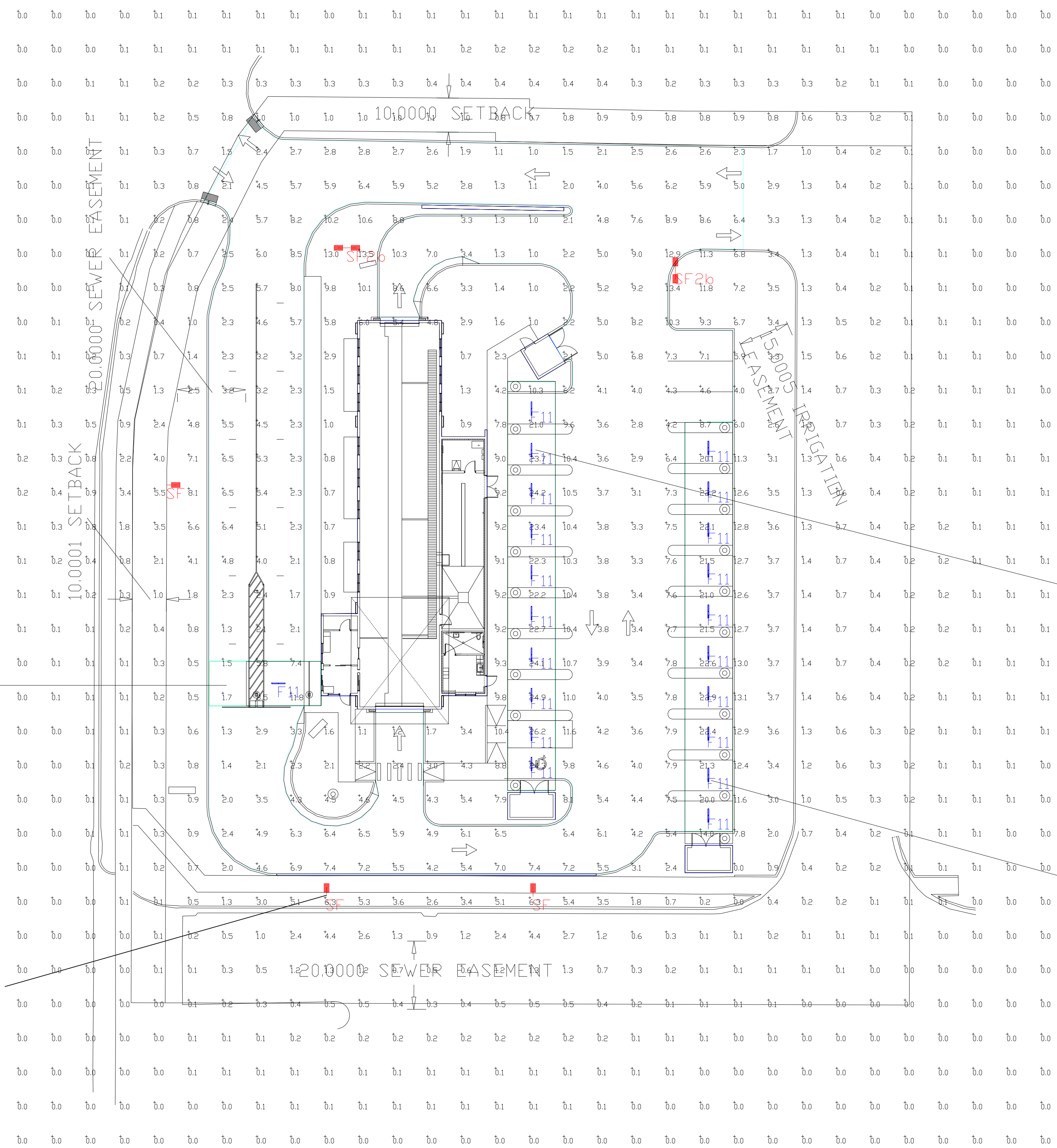
ELEVATE ENGINEERING
492 WEST 1200 NORTH
SPRINGVILLE, UT 84663
PHONE: (801) 718-5993
info@elevateeng.com



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



SHEET:
L-1
DATE: 08-15-2024



PAY AREA WITH CANOPY

VACUUM CANOPY 2

VACUUM CANOPY

Pole to be used for flag pole light

NOTE: STANDARD 120-277v UNLESS OTHERWISE SPECIFIED

Note: For national account pricing/quotation and order placement, please reach out to Steve Friedman at Hermitage Lighting - 847-830-1444 or sfriedman@gohermitage.com

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAVED AREA	Illuminance	Fc	5.10	13.4	1.0	5.10	13.40
PAY AREA WITH CANOPY	Illuminance	Fc	7.33	11.8	1.7	4.31	6.94
VACUUM CANOPY	Illuminance	Fc	20.97	22.9	14.0	1.50	1.64
VACUUM CANOPY 2	Illuminance	Fc	22.44	26.2	10.3	2.18	2.54

POLE NOTE: 4SQ-XX-S11G-16 POLE + 2FT BASE
 POLE ORDERING INFORMATION BASED ON THIS DRAWING:
 PLEASE CONFIRM EPA WIND RATING PRIOR TO ORDER.
 CUSTOMER RESPONSIBLE FOR BASE SELECTION PER LOCAL CONDITIONS.

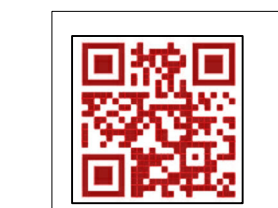
PHOTOMETRIC EVALUATION
 NOT FOR CONSTRUCTION

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.

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
	3	SF	SINGLE	MRS-LED-18L-SIL-FT-50-70CRI-SINGLE	16' POLE+2' BASE	1.000	1.000	16890	135
	2	SF2b	D180*	MRS-LED-18L-SIL-FT-50-70CRI-D180	16' POLE+2' BASE	1.000	1.000	33780	270

Total Project Watts
 Total Watts = 2035.95



LIGHTING PROPOSAL LD-159445-1

QUICK QUACK
 78 N 500 E
 SANTIAGO, UT

BY: SAM, DMK DATE: 1/11/24 REV: 8/5/24 SHEET 1 OF 1

SCALE: 1"=20'