

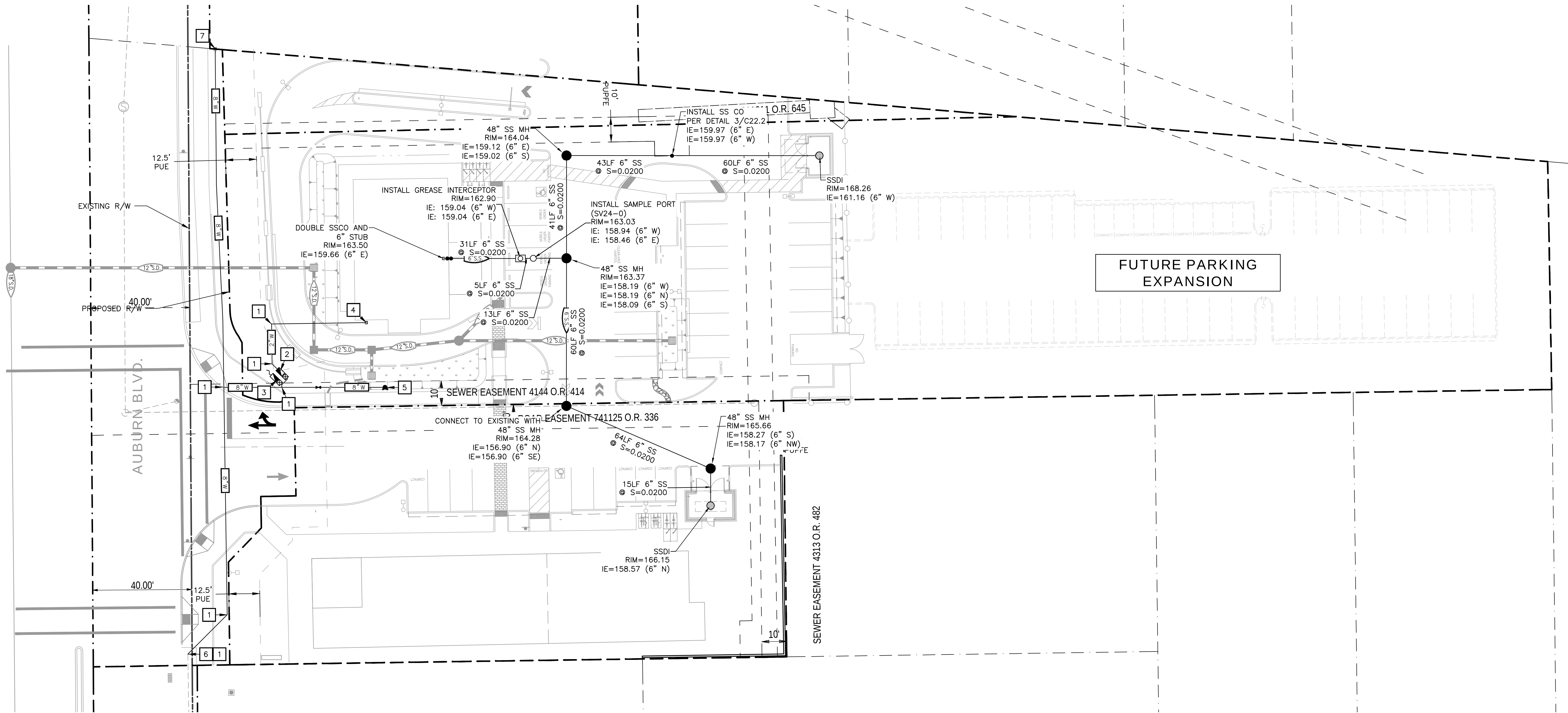


VARIES

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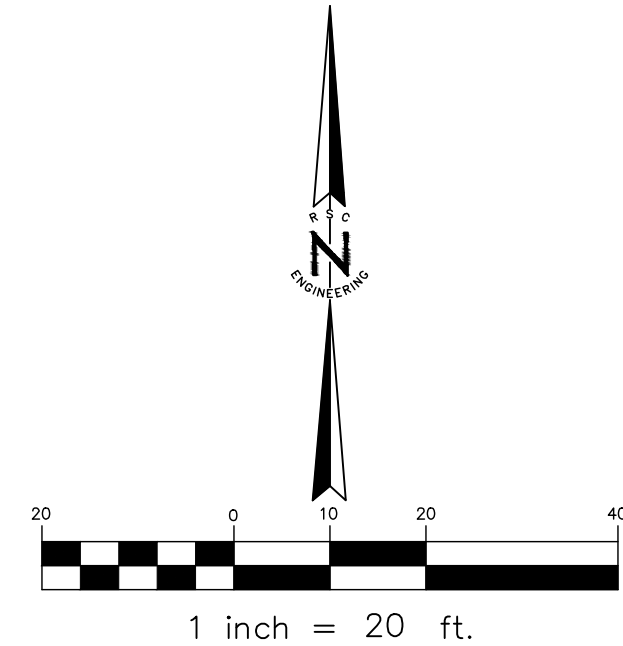
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WATER KEYNOTES

- 1 WATER FITTING
- 2 CONTRACTOR SHALL CONSTRUCT 1.5" LANDSCAPE WATER SERVICE
- 3 CONTRACTOR SHALL CONSTRUCT 2" COMMERCIAL WATER SERVICE
- 4 2" BUILDING DOMESTIC WATER POINT OF CONNECTION.
- 5 NEW FIRE HYDRANT.
- 6 TIE INTO EXISTING WATER MAIN.
- 7 STUB FOR FUTURE USE



ENGSTROM
PROPERTIES, INC.

REV	DATE	DESCRIPTION	BY	DATE
1				
2				
3				
4				
5				
6				
7				

RSC ENGINEERING
1420 Rocky Ridge Drive, Suite 150
Roseville, CA 95661
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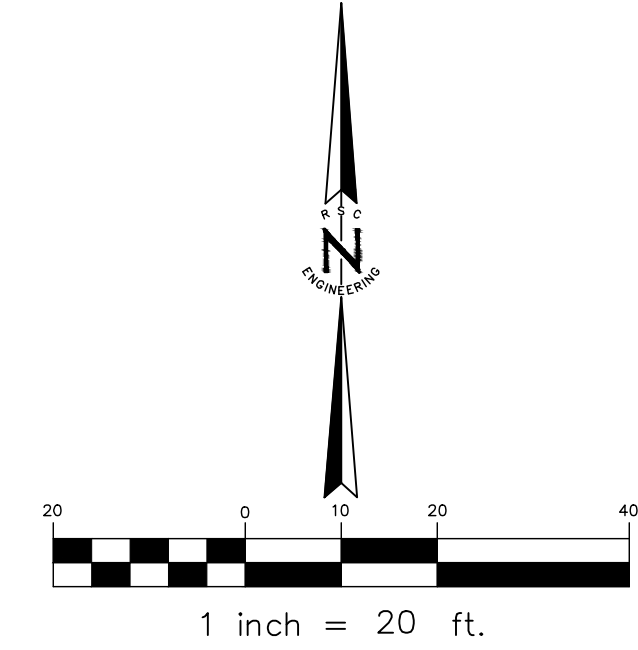
PROJECT NO: 270-002
DRAWN BY: RSC Eng
CHECKED BY: RSC Eng
DESIGNED BY: RSC Eng

**PRELIMINARY PLANS FOR
Auburn & Whyte
STARBUCKS
CITRUS HEIGHTS, CA**

SHEET TITLE
**PRELIMINARY
UTILITY
PLAN**

SHEET NO.
UT1

DATE: SEPTEMBER 29, 2022

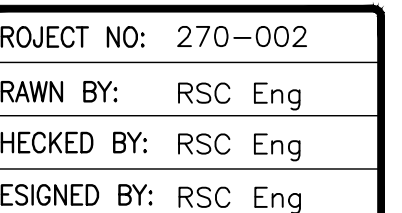


	STORMWATER PLANTER
	DRAINAGE MANAGEMENT AREAS TREATED BY CONTECH STORMFILTER UNIT
	DRAINAGE MANAGEMENT AREAS TREATED BY STORMWATER PLANTER

THE STORMWATER PLANTER ARE SIZED USING APPENDIX E OF THE STORMWATER QUALITY DESIGN MANUAL FOR THE SACRAMENTO REGION (SQWDM).

1. STORM WATER VOLUME PROVIDED = (STORMWATER DEPTH + MEDIA DEPTHX0.3 + GRAVEL DEPTHX0.4) X STORMWATER PLANTER AREA
2. STORM WATER VOLUME REQUIRED = $P_0 \times \text{DMA AREA} / 12$
WHERE: P_0 = MAXIMIZED DETENTION VOLUME FOR A 12 HOUR DRAW DOWN TIME (75% IMPERVIOUS) PER FIGURE E-4 IN THE SQWDM
3. % COMPLIANT = STORMWATER VOLUME PROVIDED / STORMWATER VOLUME REQUIRED

WQF=CiA, WHERE:
C=RUNOFF COEFFICIENT = .9
i=INTENSITY= .2 FOR SACRAMENTO COUNTY
A=AREA DMA (ACRES)



SHEET TITLE
PRELIMINARY
STORMWATER
QUALITY PLAN

DATE: SEPTEMBER 29, 2022