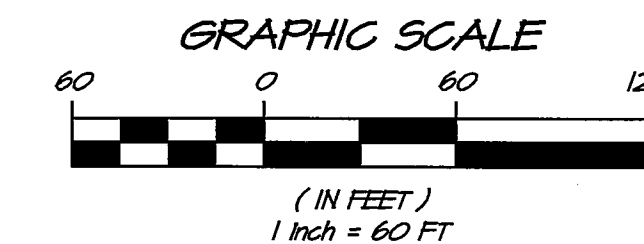
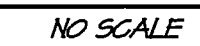


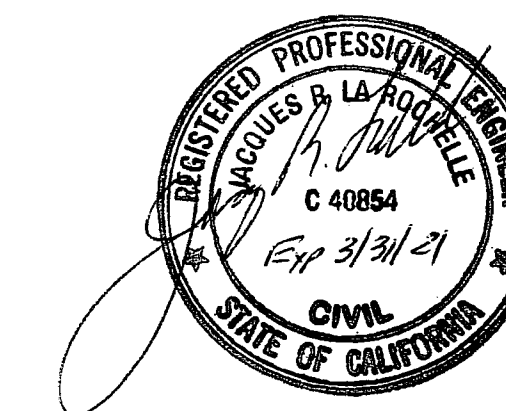
CALIFORNIA

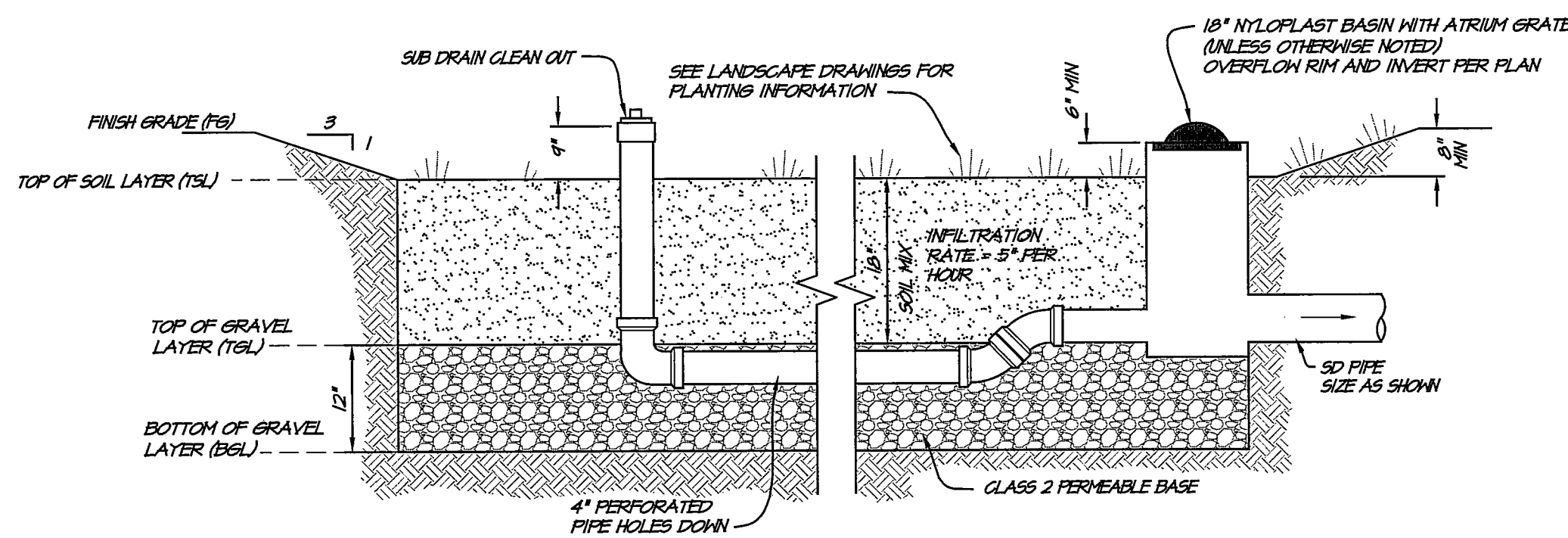


OF 3 SHEETS



AB	AT	HP	HIGH POINT
AC	AGGREGATE BASE	INV	INVERT
AD	ASPHALT CONCRETE	IRR	IRRIGATION
AE	ASPH. DRAIN	JB	JUNCTION BOX
AGH	ARCHITECT	JO	JOINT ROAD
APN	ASSESSORS PARCEL NUMBER	LF	LINEAL FOOT / FEET
ARY	AIR RELEASE VALVE	LP	LOW POINT
BLP	BUILDING	LI	LEFT
BM	BENCHMARK	LT	LAND
BR	BIG-RETENTION	MON	MONUMENT
BSH	BACK OF SIDEWALK	N	NORTH
BUM	BUM OFF	NEH	NEW
BVC	VERTICAL CURVE	OH	OVER HEAD
CB	CATCH BASIN	POC	POINT OF CONNECTION
CC	CONTACT PARKING	POH	PARKING OVERHEAD
C4S	CATCH AND SUTTER	PRG	PARKING
CO	CLEANOUT	IE	PROPERTY LINE
G CL	CEMENT LINE	PA	PLANTING AREA SLAD
CKK	CHUCK	(P)	PROPOSED
CONN	CONNECTION	R.C.	RELATIVE COMPACTION
CV	CHECK VALVE	ROM	RIGHT OF WAY
CONF	CONFORM	RAH	RAIN WATER LEADER
DOV	DOUBLE CHECK VALVE	RH	RETAINING WALL
DI	DROP INLET DRAIN INLET	S	SOUTH
DS	DOWN SPOUT	S=	SLOPE EQUALS
DH	DOMESTIC WATER	SAD	SEE ARCHITECTURAL DRAWINGS
DMS	DRAIN	SD	STORM DRAIN
DWY	DRAINWAY	SDMH	STORM DRAIN MANHOLE
E	EAST	SED	SEE ELECTRICAL DRAWINGS
(E) EX	EXISTING	SF	SQUARE FOOT
ELC	ELECTRICAL	SLD	SEE LANDSCAPE DRAWINGS
ENGR	ENGINEER	SMD	SEE MECHANICAL DRAWINGS
EOR	ENGINEER OF RECORD	SPD	SEE PLUMBING DRAWINGS
EPR	EDGE OF PAVEMENT	ST	SEE STRUCTURAL DRAWINGS
ESMT	EASEMENT	SPR	SPRINKLER
EV	ELECTRIC VEHICLE	SS	SANITARY SEWER
FGC	FIRE DEPT CONNECTION	SSCO	SANITARY SEWER CLEANOUT
FIN	FINISH GRADE	SSD	SANITARY SEWER MANHOLE
FG	FINISH GRADE	STD	STANDARD
FH	FIRE HYDRANT	SWK	SWITCH
FL	FIRE FLOW LINE	TOP	TOP OF CURB
FS	FIRE SERVICE	TOB	TOP OF BANK
FSS	FORCED SANITARY SEWER	TOP	TOP OF PIPE
FI	FOOT / FEET	TOS	TOP OF SLOPE
FW	FIRE WATER LINE	TOW	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GV	GRADE VALVE	W	WATER
		WM	WATER METER
		WV	WATER VALVE

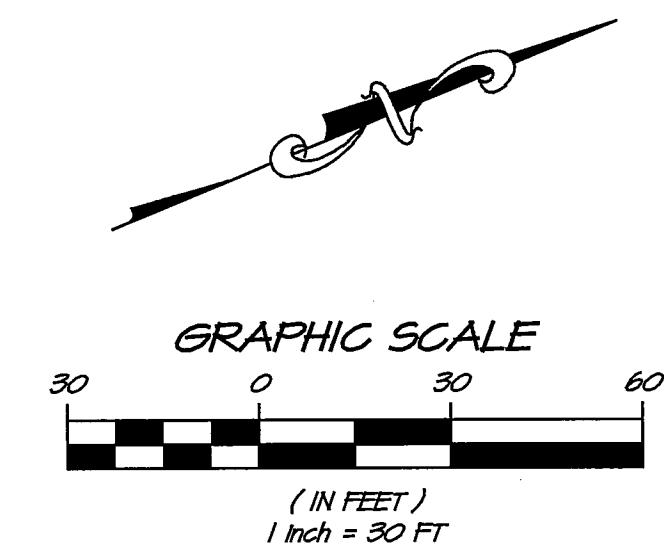




- NOTES**
- NO COMPACTION OF SOILS BENEATH THE FACILITY, OR RIPPING/LOOSENING OF SOILS IF COMPACTED.
 - NO LINERS OR OTHER BARRIERS INTERFERING WITH INFILTRATION.
 - APPROPRIATE PLANT PALETTE FOR THE SPECIFIED SOIL MIX & MAXIMUM AVAILABLE WATER USE.

BIO-RETENTION SOIL NOTE: BIO-RETENTION SOIL SHALL ACHIEVE A LONG TERM, IN-PLACE INFILTRATION RATE OF AT LEAST 5 INCHES PER HOUR AND SUPPORT VIGOROUS PLANT GROWTH. BIO-RETENTION SOIL MUST CONSIST OF THE FOLLOWING MIXTURE OF FINE SAND AND COMPOST, MEASURED ON A VOLUME BASIS (60-70% SAND, 30-40% COMPOST) PER ATTACHMENT L OF THE MUNICIPAL REGIONAL STORM WATER PERMIT.

BIO-RETENTION DETAIL

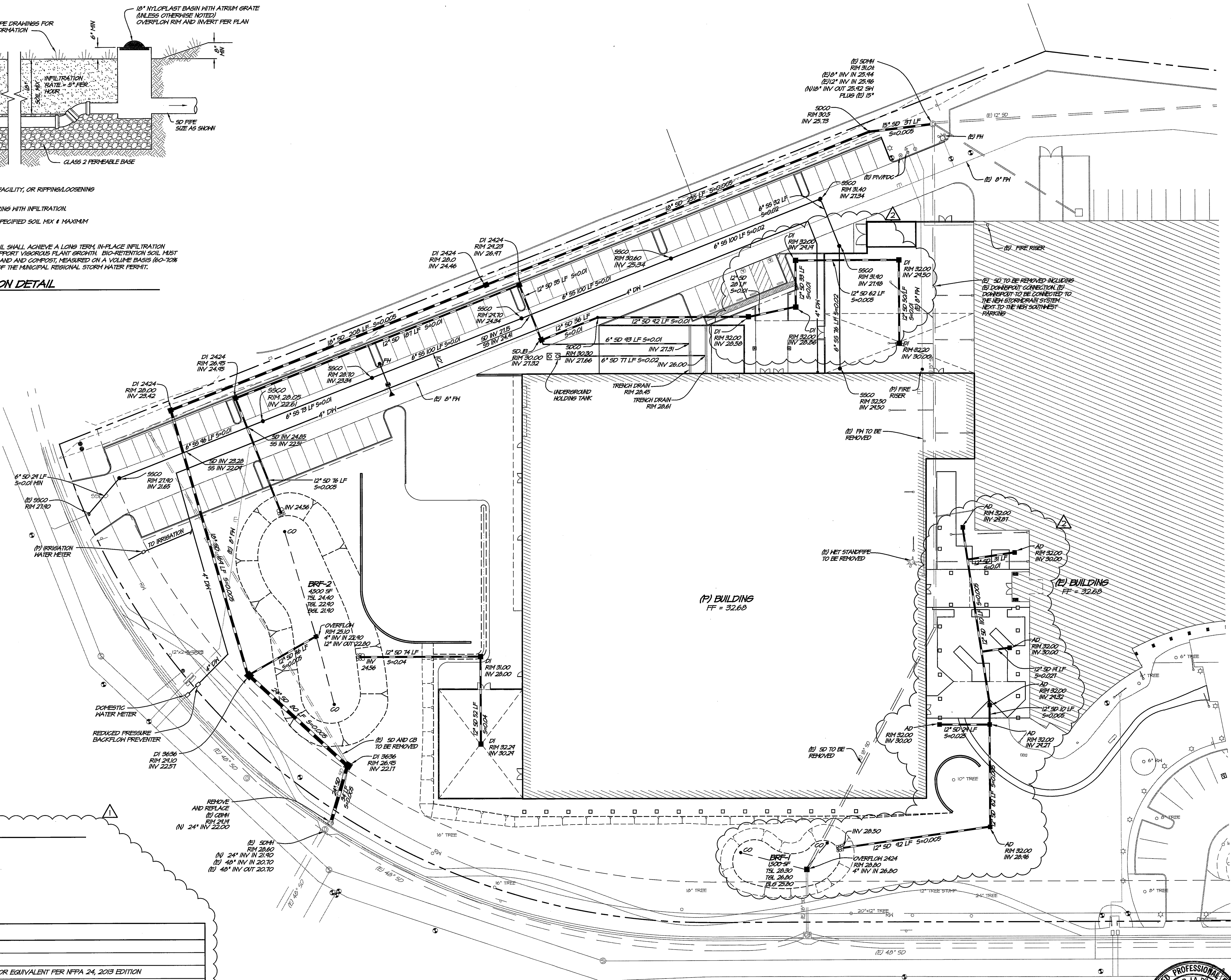


NOTES

- INSTALLATION OF UTILITIES SHALL COMPLY TO THE FOLLOWING.
- SANITARY SEWER SHALL CONFORM TO NAPA SAN SPECIFICATIONS.
- WATER SHALL CONFORM TO CITY OF AMERICAN CANYON SPECIFICATIONS.
- STORM DRAIN SHALL CONFORM TO COUNTY OF NAPA SPECIFICATIONS.

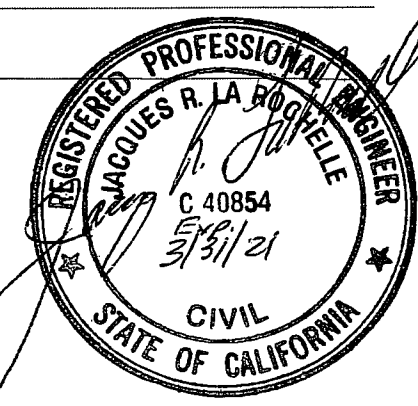
MATERIAL SPECIFICATION

GRAVITY SEWER	VCP
PRESSURIZED SEWER	N/A
FIRE LINE (FIRE HYDRANT)	PVC 600, CLASS 200 OR DUCTILE IRON PIPE OR EQUIVALENT PER NFPA 24, 2013 EDITION
FIRE LINE (SPRINKLER)	PER SPRINKLER PLAN
DOMESTIC WATER	SCH 80 PVC
STORM DRAIN (ON-SITE)	PVC SDR 35 POLYETHYLENE PIPE
RECYCLED WATER	PURPLE SCH 40 MARKED "RECYCLED WATER"
STORM DRAIN (OFF-SITE)	A. CONCRETE PIPE - CLASS 3 MINIMUM PER GALTRANS STANDARD SPECIFICATIONS
MINIMUM 18" DIAMETER	B. PVC SDR 35 POLYETHYLENE PIPE UP TO 36" DIAMETER



UTILITY PLAN

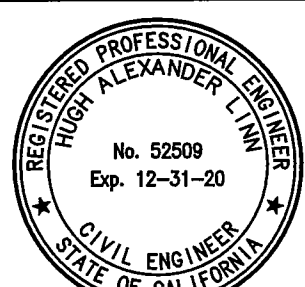
SCALE: 1" = 30'



ADVANCED PRESSURE TECHNOLOGY UTILITY PLAN

NAPA COUNTY

CALIFORNIA



DATE	JAN 17, 2020
DRAWN	DRL
DESIGNED	EBJ/LCK
CHECKED	EBJ/BHF
JOB NO.	4114038.0
SHEET NO.	UP3.0
	3 OF 3 SHEETS

RSA+
1515 FOURTH STREET
NAPA, CALIF. 94559
OFFICE 707.252.3301
WWW.RSACAL.COM

RSA+ CONSULTING CIVIL ENGINEERS + SURVEYORS • 1980

NO.	DATE	REVISIONS	BY	APPD
2	07/2020	HARDSCAPE AND ACCESSIBLE PARKING	DCB	HAL
1	12/19/2019	ADDITIONAL INFO FOR SCHEMATIC DESIGN	DCB	HAL