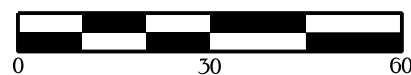
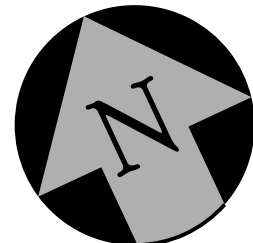




EXISTING CONDITIONS				
NODE	2-year	10-year	25-year	100-year
DA 1	5.9	9	11.0	14.4
DA 2	15.1	24.1	30.0	39.8
ROW1	1.3	2.0	2.5	3.3
Outfall	17.3	27.1	33.6	44.4

NOTE:

EXISTING GENIE PARKING LOT DETENTION AREAS AND OUTFALLS
TAKEN FROM RECORD DRAWINGS TO CONSERVATIVELY ORIGINALLY
DESIGNED INTENT OF POND PER RECORD DRAWINGS FOR SP-91-0224C.



LEGEND :

- # DRAINAGE AREA NUMBER
- # INLET NUMBER
- FLOW DIRECTION ARROW
- ⊕ HIGH POINT
- ⊖ LOW POINT
- DRAINAGE DIVIDE

EXISTING DRAINAGE AREA SUMMARY					
DA ID	Drainage Area (acres)	Drainage Area (mi2)	CN (Base)	IC%	CN (Weighted)
1	0.995	0.0016	84	95.0	97.3
2	2.827	0.0044	84	63.2	92.9
ROW1	0.235	0.00037	84	68.0	93.5

EXISTING GENIE PARKING LOT DETENTION	
Elevation	Area (acres)
96.5	0.0000
96.75	0.0772
97	0.1996
97.25	0.3238

TIMES OF CONCENTRATION FOR SUB AREAS
NRCS (SCS) TR-55 Method

Sheet Flow Surface Codes												
Code	Description	n										
A	Smooth surface	0.011										
B	Fallow (no residue)	0.05										
C	Cultivated soils, Residue cover <= 20'	0.06										
D	Cultivated soils, Residue cover > 20%	0.17										
E	Grass, Short grass prairie	0.15										
F	Grass, Dense grasses	0.24										
G	Grass, Bermudagrass	0.41										
H	Range (natural)	0.13										
I	Woods, Light underbrush	0.4										
J	Woods, Dense underbrush	0.8										

Summary of Time of Concentration and Lag Time Data												
Drainage Basin	Time of Conc. (hrs)	Time of Lag (hrs)	Time of Lag (min)	Time of Lag (hr)								
1	0.07	0.04	2.46									
2	0.08	0.05	3.00									

Shallow Concentrated Surface Codes												
Code	Description											
P	Paved											
U	Unpaved											

Sub Area	1	Portion of Lot 1											
Flow Type	2 year rain	Length (ft)	Slope (ft/ft)	Surface Code	n	Area (ft^2)	Wp (ft)	Velocity (ft/sec)	Time (hr)				
Sheet	3.4	100	0.01	A	0.011								
Sheet		244	0.00615	P				1.59	0.043				
Shallow Concentrated													
Shallow Concentrated													
Open Channel													
Open Channel													
Time of Concentration =									0.058				
Lag Time =									0.041				

Sub Area	2	Lot 2A, 3 and Portion of 1											
Flow Type	2 year rain	Length (ft)	Slope (ft/ft)	Surface Code	n	Area (ft^2)	Wp (ft)	Velocity (ft/sec)	Time (hr)				
Sheet	3.4	100	0.0175	A	0.011								
Sheet		320	0.00625	P				1.61	0.055				
Shallow Concentrated		72	0.55556	U				12.03	0.002				
Open Channel													
Open Channel													
Open Channel													
Time of Concentration =									0.083				
Lag Time =									0.050				

LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR.



SITE PLAN RELEASE

FILE NUMBER: SP-2020-0169C EXPIRATION DATE: 04/17/2020
CASE MANAGER: RANDY ROUDA APPLICATION DATE: 04/17/2020
APPROVED ADMINISTRATIVELY ON: _____
APPROVED BY PLANNING COMMISSION ON: _____
APPROVED BY CITY COUNCIL ON: _____
under Section 112 of Chapter 25-5 of the Austin City Code.

Director for Development Services Department CS-MU-V-CO, CS-V,
DATE OF RELEASE: _____ Zoning: CS-CO & CS-V-CO
Rev. No. 1 Correction No.1
Rev. No. 2 Correction No.2
Rev. No. 3

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL. WHETHER OF NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

SEAMLESS TRACT
1401 S LAMAR BLVD
EXISTING DRAINAGE AREA MAP

REVISIONS		DATE	BY	DESCRIPTION
NO.				

DATE: 2/9/2021
DESIGNED BY: VINCENT A. GERACI
DRAWN BY: 140026
CHECKED BY: 140026
DRAWING NAME: 140026

Phone 512.439.4700
FRN-F-1386

LJA Engineering, Inc.

JOB NUMBER: A523-1013

DM1

SHEET NO. 16

OF 58 SHEETS