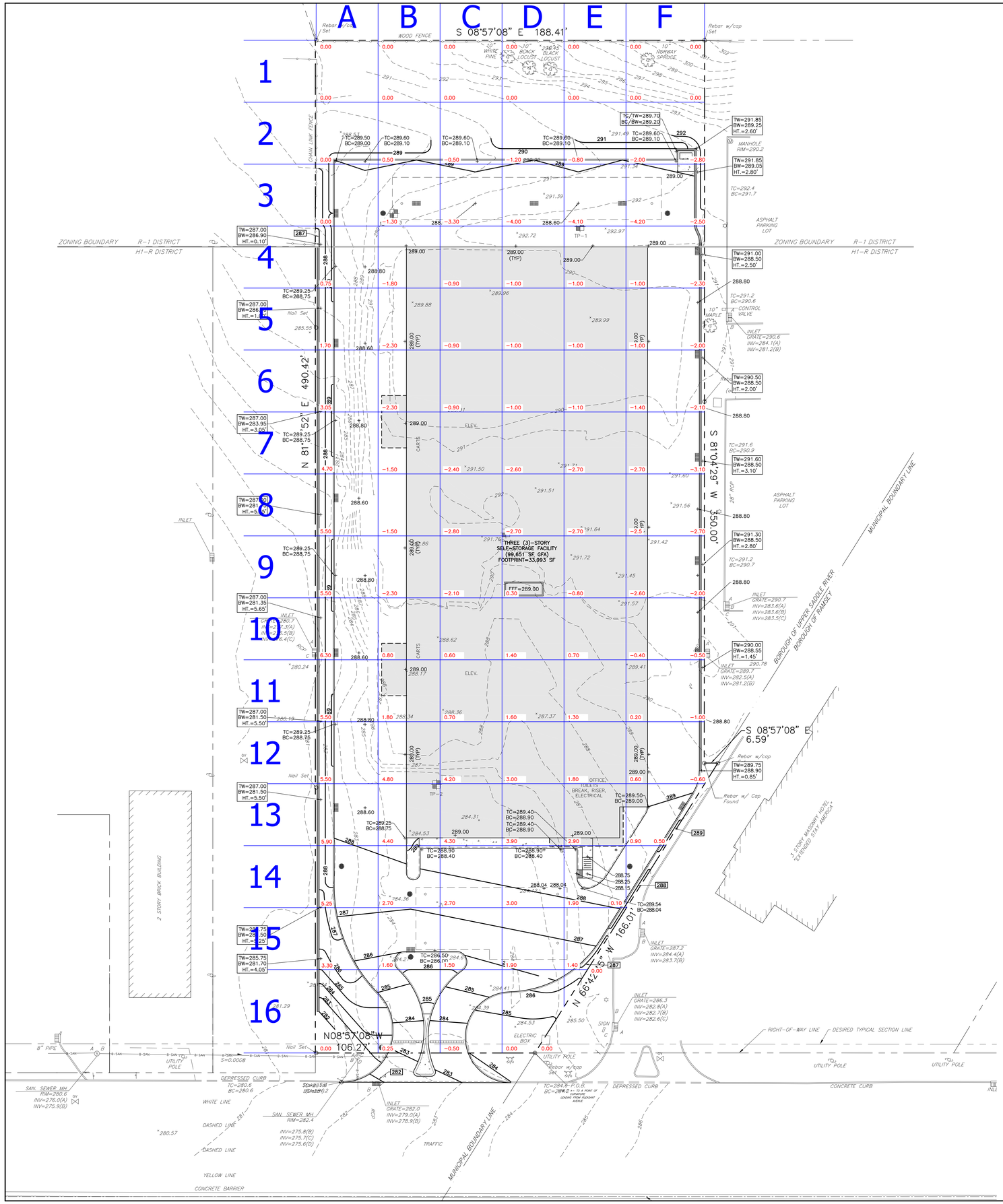

Proposed Self-Storage Facility
NJSH Route 17 - Upper Saddle River, NJ

L2A LAND DESIGN LLC

Cut-Fill Analysis

	A	B	C	D	E	F	
	0	0	0	0	0	0	0	
1	900 / 0	900 / 0	900 / 0	900 / 0	900 / 0	1141 / 0	
	0	0.0	0.0	0.0	0.0	0.0	0	
2	900 / 113	900 / 0	900 / -383	900 / -450	900 / -630	1141 / -1369	-2719
	0	0.5	-0.5	-1.2	-0.8	-2.0	-2.8	
3	900 / -169	900 / -1013	900 / -2014	900 / -2261	900 / -2475	1141 / -3266	-11197
	0	-1.3	-3.3	-4.0	-4.1	-4.2	-2.5	
4	900 / -506	900 / -1609	900 / -2054	900 / -2257	900 / -2295	1140 / -2836	-11557
	0.75	-1.8	-0.9	-1.0	-1.0	-1.0	-2.3	
5	900 / -349	900 / -1305	900 / -851	900 / -896	900 / -900	1139 / -1794	-6094
	1.7	-2.3	-0.9	-1.0	-1.0	-1.0	-2	
6	900 / 56	900 / -1418	900 / -855	900 / -923	900 / -1013	1139 / -1851	-6002
	3.05	-2.3	-0.9	-1.0	-1.1	-1.4	-2.1	
7	900 / 911	900 / -1575	900 / -1553	900 / -1665	900 / -1778	1138 / -2646	-8305
	4.7	-1.5	-2.4	-2.6	-2.7	-2.7	-3.1	
8	900 / 1643	900 / -1823	900 / -2363	900 / -2408	900 / -2385	1138 / -3130	-10465
	5.5	-1.5	-2.8	-2.7	-2.7	-2.5	-2.7	
9	900 / 1631	900 / -1946	900 / -1643	900 / -1328	900 / -1935	1138 / -2788	-8008
	5.5	-2.3	-2.1	0.3	-0.8	-2.6	-2	
10	900 / 2306	900 / -686	900 / 45	900 / 360	900 / -698	1137 / -1563	-236
	6.3	0.8	0.6	1.4	0.7	-0.4	-0.5	
11	900 / 3218	900 / 855	900 / 968	900 / 1125	900 / 405	1137 / -483	6087
	5.5	1.8	0.7	1.6	1.3	0.2	-1	
12	900 / 3938	900 / 2665	900 / 2138	900 / 1733	900 / 878	1171 / -234	11016
	5.5	4.8	4.2	3.0	1.8	0.6	-0.6	
13	900 / 4624	900 / 3971	900 / 3465	900 / 2610	900 / 1395	861 / 301	16366
	5.9	4.4	4.3	3.9	2.9	0.9	0.5	
14	900 / 4106	900 / 3173	900 / 3128	900 / 2633	900 / 1305	293 / 110	14454
	5.25	2.7	2.7	3.0	1.9	0.1	0	
15	900 / 2880	900 / 1890	900 / 2036	900 / 1845	626 / 532		9183
	3.3	1.6	1.5	1.9	1.4	0		
16	1212 / 1545	1212 / 833	1212 / 864	1055 / 870			4112
	0	0.25	-0.5	0	0		

-3,364 CF

-125 CY ←CUT

KEY

Elevation Change — 2.7 — Elevation Change
Elevation Change — 2.1
900 — Area of Grid Section
1822.5 — Volume of Grid Section
1.7 — Elevation Change
1.6 — Elevation Change

SOIL MOVEMENT CALCULATION BY GRID METHOD

SOIL MOVEMENT TABLE

TYPE OF SOIL TO BE MOVED	CUT	FILL	TOTAL
SOIL MOVEMENT (GRID METHOD ABOVE)	- 125 CY	0 CY	- 125 CY
EXISTING CONCRETE/ASPHALT	- 2,900 CY	0 CY	- 2,900 CY
PROPOSED DETENTION BASINS	- 654 CY	0 CY	- 654 CY
TOTAL	**- 3,679 CY**	**0 CY**	**- 3,679 CY (CUT)** (99,333 CF)

NOTE: ESTIMATED TRUCK LOADS OF SOIL EXPORT (10 CY PER TRUCK) = **368 TRUCKS**

PROJECT NOTES:

1. THIS PROJECT REFERENCES A SURVEY PREPARED BY:
   LAKELAND SURVEYING, 117 HIBERNIA AVENUE, ROCKAWAY, NJ 07866
   973.625.5670 (OFFICE) - 973.625.4121 (FAX)
   PROJECT NUMBER: 142148 - DATED: 11/07/19
2. PROPERTY LOCATION: BLOCK 1304, LOT 7.01
3. PROPERTY ADDRESS: 100 N.J.S.H. ROUTE 17 NORTH, UPPER SADDLE RIVER, NJ 07458
4. THE ELEVATIONS SHOWN ON THESE PLANS REFER TO NAVD 1988.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1" = 20'-0"

L2A LAND DESIGN LLC
60 GRAND AVENUE
ENGLEWOOD, NJ 07631
201.227.0300 • 201.227.0001 (Fax)
www.L2Alanddesign.com
New Jersey Certificate of Authorization No. 24GA28139900

5/1/2020
Michael E. Dipple, P.E. Date
New Jersey Professional Engineer #24GE04081200

WARNING: IF THIS PLAN DOES NOT CONTAIN A RAISED IMPRESSION SEAL OVER THE PROFESSIONAL SIGNATURE IT IS NOT AN AUTHORIZED OFFICIAL COPY

APPLICANT:
PSI ATLANTIC USR NJ, LLC
530 OAK COURT DRIVE, SUITE 185
MEMPHIS, TN 38117
901.290.0184 (PHONE)

OWNER:
KRISUDEN REALTY, L.P.
A NEW JERSEY LIMITED PARTNERSHIP
7 INDUSTRIAL AVENUE
MAHWAH, NJ 07430
201.525.6292 (PHONE)

ARCHITECT:
PARKER STUDIOS
1300 MINT STREET, SUITE 110
CHARLOTTE, NC 28203
980.819.0416 (PHONE)

SURVEYOR:
LAKELAND SURVEYING
117 HIBERNIA AVENUE
ROCKAWAY, NJ 07866
973.625.5670 (PHONE)
973.625.4121 (FAX)

NO.	REVISION	DATE
1	REVISED PER COMPLETENESS REVIEW	5/17/2020

Previous Editions Obsolete

PROJECT LOCATION:
PROPOSED SELF-STORAGE FACILITY
100 N.J.S.H. ROUTE 17 NORTH
BOROUGH OF UPPER SADDLE RIVER,
BERGEN COUNTY, NJ

BLOCK: 1304; LOT: 7.01
TAX MAP: 13

DRAWING TITLE:
SOIL MOVEMENT (CUT-FILL)

SCALE:	REFER TO PLAN
DATE	1/17/2020
DESIGNED:	TEC
APPROVED:	MED
L2A PROJ. No.:	1901.161
DRAWING No.:	SM-01

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