



MEMORANDUM

To: Philipstown Planning Board

From: John Canning, P.E.
Veronica Prezioso, Analyst

Date: September 14, 2020

Subject: Response to Comments
Proposed CRS Warehouse Development
2761 US 9
Cold Spring, NY

Kimley-Horn has prepared this memorandum in response to comments from Ronald J Gainer, P.E., as well as comments received at the Planning Board meeting on August 20, 2020. These responses are provided below, along with the comments for your reference.

Ronald J Gainer, P.E.

4. Comment: The traffic assessment provided by Kimley-Horn contains various tables of vehicular traffic data which are not easily understood. All such tables should be given titles, and the information contained therein clearly explained and/or identified.

Response: Comment noted. All tables and figures, as well as further information, have been clearly identified in red on the original letter dated July 28, 2020.

5. Comment: Further, the traffic analysis has documented that clearing of vegetation is required along the edges of the Route 9 R.O.W., in both directions from the site entrance drive, to assure that adequate sight distances are achieved. The extent of this clearing should be clearly identified on plan and incorporate appropriate notations to assume the applicant's commitment to perform all such clearing, as well as all continuing maintenance required to maintain these lines open at all times.

Response: The Site Plan has been modified to clearly identify vegetation to be cleared and a note added assuring the Applicant's commitment to performing such clearing as well as continuing maintenance required to keep the indicated sightlines open at all times.

Town of Philipstown Planning Board Meeting Dated August 20, 2020

1. Comment: Were the Speed data provided out of the ordinary?

Response: In response to concerns expressed at the last planning board meeting, a second Automatic Traffic Recorder (ATR) survey was conducted, and the new data is provided in the Attachments. The

data provided for both speed surveys were almost identical, indicating that the data were not out of the ordinary. In the southbound direction, the same 85th percentile speed of 49 mph was recorded. In the northbound direction, the 85th percentile speed was recorded to be 2 mph higher than previously recorded (i.e. the 85th percentile speed was noted to have increased from 52 to 54 mph). Table 3 in our previous report has been revised to reflect the higher northbound values and is provided below.

Table 3 (Revised) – Sight Distance Analysis				
	Intersection Sight Distance Required (feet)		Intersection Sight Distance Available (feet)	
	Looking Right	Looking Left	Looking Right	Looking Left
Site Driveway	600	555	710 ¹	840 ¹
	Stopping Sight Distance Required (feet)		Stopping Sight Distance Available (feet)	
	Traveling NB	Traveling SB	Traveling NB	Traveling SB
US 9	480	425	710 ¹	840 ¹

Intersection and stopping sight distances are based on the 85th percentile speed or the posted speed limit (54 mph NB, 50 mph SB).

¹ As shown on Sheet 5 of 5 prepared by Badey & Watson, last revised 7/3/20, with the removal of vegetation as shown on the attached Vegetation Removal Plan (existing sight distance: 540' NB, 465' SB).

As can be seen from the Table, with the removal of the vegetation previously identified, more than adequate sight distance will be provided in either direction from the site driveway.

2. Comment: Was the intersection of US 9 with 1st Street observed as motorists on this part of US Route 9 do not always react in the expected manner to vehicles they encounter in the roadways?

Response: The intersection of US 9 with 1st Street was observed from 7:30 to 8:30 AM on Wednesday, September 9th. Only one motorist was observed to make an unexpected movement – they made a southbound left-turn onto 1st Street and, in the same maneuver, made a westbound right-turn back onto US 9 when no cars were coming in either direction. A total of 8 vehicles entered or exited 1st Street during this hour.

3. Comment: What would the difference in operating conditions be if the number of trucks happens to be double? What are the projections?

Response: Synchro 10 intersection analyses were performed for the Site driveway using the traffic projections contained in Kimley-Horn’s July 28, 2020 report. This analysis assumed that 2 trucks entered the site from US Route 9 (one from either direction) and 2 trucks exited the site to US Route 9 (one in either direction) during the peak hour. A second analysis was performed assuming that the number of truck trips doubled. As can be seen from the Table of Projected Driveway Performance provided below, since the expected number of trucks is so low, there would be virtually no difference in

delays during either peak hour. Further, delays entering and exiting the site are projected to be within acceptable ranges.

Table of Projected Driveway Performance

Turning Movement	AM					
	2 Trucks			4 Trucks		
	Control Delay (s)	Lane LOS	Approach Delay (s)	Control Delay (s)	Lane LOS	Approach Delay (s)
EB L&R	28.0	D	28.0	29.0	D	29.0
NB L	10.3	B	0.2	10.8	B	0.2
Turning Movement	PM					
	2 Trucks			4 Trucks		
	Control Delay (s)	Lane LOS	Approach Delay (s)	Control Delay (s)	Lane LOS	Approach Delay (s)
EB L&R	30.6	D	30.6	31.6	D	31.6
NB L	9.5	A	0.1	9.8	A	0.1

Control delay is the average delay per vehicle in seconds.

LOS is Level of Service, a rating from "A" to "F" with A being the best and F being the worst.

4. Comment: Confirm the current sight distance with the existing vegetation/bushes on the east side of the road.

Response: An inspection of sightlines northbound on US Route 9 revealed that a vehicle waiting to turn left into the site driveway can currently be seen for a distance of 540 feet.

5. Comment: Provide the stopping sight distance for the 90th and 95th percentile speeds.

Response: In the northbound direction, the 85th percentile stopping sight distance increases from 480 feet to 510 feet for the 90th percentile and to 525 feet for the 95th percentile. A sight distance of 540 feet is currently provided in this direction, and this value will be increased to 710 feet when the bushes at the edge of the road are removed, as shown on Sheet 5 of 5 of the Badey & Watson Plan Set. In the southbound direction, the 85th percentile stopping sight distance increases from 425 feet to 465 feet for the 90th percentile and to 480 feet for the 95th percentile. 465 feet are currently provided, and this value will be increased to 840 feet when the twin-trunked tree at the edge of the road is removed, as shown on Sheet 10 of 11 of the Badey & Watson Plan Set. With the removal of the bushes on the east side of the road and the twin-trunked tree on the west side of the road, as proposed, more than adequate sight distance will be provided.

Attachments

- New Automatic Traffic Recorder (ATR) Study on US Route 9
- Synchro 10 Peak-Hour Driveway Analysis with 2 & 4 Trucks
- Badey & Watson Sight Line Plan (Sheet 10 of 11)

New Automatic Traffic Recorder (ATR) Study on US Route 9
Volume and Speed Data

**ATR Speed Data -
Automatic Traffic Recorder Data for US
Route 9 just north of First Street indicating
Speeds in the Northbound direction.
Percentile Speeds provided on Page 7**

TRAFFIC DATABANK LLC
716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
09/07/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	0	0	0	0	0	0	4	19	34	17	5	3	0	0	82	46-55	53
Total	0	0	0	0	0	0	4	19	34	17	5	3	0	0	82		
Percent	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.9%	23.2%	41.5%	20.7%	6.1%	3.7%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.							23:00	23:00	23:00	23:00	23:00	23:00			23:00		
							4	19	34	17	5	3			82		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	Pace Speed	Number in Pace
09/08/20	0	0	0	0	0	0	7	14	19	12	3	1	0	0	0	56	46-55	33
01:00	0	0	0	0	0	0	1	5	7	5	2	1	0	1	22	46-55	12	
02:00	0	0	0	0	0	1	3	2	2	1	1	0	0	0	10	41-50	5	
03:00	0	1	0	0	0	0	1	6	5	2	0	0	0	0	15	46-55	11	
04:00	0	1	0	0	0	0	7	6	12	8	2	1	0	0	37	50-59	20	
05:00	0	0	1	0	0	0	2	15	31	22	4	1	0	0	76	51-60	53	
06:00	0	0	0	0	0	1	23	45	63	50	3	1	0	0	186	51-60	113	
07:00	0	1	2	0	2	5	54	133	109	34	7	2	1	0	350	46-55	242	
08:00	0	2	3	1	7	23	74	111	104	23	4	0	0	0	352	46-55	215	
09:00	0	1	3	0	0	7	41	105	85	18	2	0	0	0	262	46-55	190	
10:00	0	1	2	1	1	8	62	120	85	20	2	0	0	0	302	46-55	205	
11:00	0	1	0	0	0	8	61	125	106	21	1	1	0	0	324	46-55	231	
12 PM	1	2	3	0	1	7	50	138	89	20	3	1	0	0	315	46-55	227	
13:00	0	0	1	0	7	13	50	129	116	21	3	0	0	0	340	46-55	245	
14:00	0	1	3	0	1	6	85	167	131	29	4	0	0	0	427	46-55	298	
15:00	0	0	4	1	12	51	167	283	166	39	4	1	0	0	728	41-50	450	
16:00	17	60	45	27	38	84	230	254	126	21	0	0	0	0	902	41-50	484	
17:00	39	93	94	55	54	60	147	172	89	14	3	0	0	0	820	41-50	319	
18:00	0	0	2	0	1	7	66	191	165	56	5	1	1	0	495	46-55	356	
19:00	0	0	2	0	1	3	21	91	106	35	6	1	0	0	266	46-55	197	
20:00	0	0	1	0	2	1	14	72	75	23	4	1	0	0	193	46-55	147	
21:00	0	0	0	0	0	5	8	40	42	20	6	2	0	0	123	46-55	82	
22:00	0	0	0	0	0	0	3	27	40	26	4	0	0	0	100	46-55	67	
23:00	0	0	0	0	0	0	2	17	34	24	10	1	1	0	89	51-60	58	
Total	57	164	166	85	127	290	1179	2268	1807	544	83	16	3	1	6790			
Percent	0.8%	2.4%	2.4%	1.3%	1.9%	4.3%	17.4%	33.4%	26.6%	8.0%	1.2%	0.2%	0.0%	0.0%				
AM Peak		08:00	08:00	08:00	08:00	08:00	08:00	07:00	07:00	06:00	07:00	07:00	07:00	01:00	08:00			
Vol.		2	3	1	7	23	74	133	109	50	7	2	1	1	352			
PM Peak	17:00	17:00	17:00	17:00	17:00	16:00	16:00	15:00	15:00	18:00	23:00	21:00	18:00		16:00			
Vol.	39	93	94	55	54	84	230	283	166	56	10	2	1		902			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
09/09/20	0	0	0	0	0	2	0	18	26	16	7	0	0	0	69	46-55	44
01:00	0	0	0	0	0	0	0	9	4	7	0	0	0	0	20	46-55	13
02:00	0	0	0	0	0	0	0	0	4	3	0	0	0	0	7	51-60	7
03:00	0	0	0	0	0	1	5	8	8	1	0	0	0	0	23	46-55	16
04:00	0	1	0	0	0	1	3	4	9	7	1	0	0	0	26	51-60	16
05:00	0	1	0	0	0	2	2	25	36	18	7	2	1	1	95	46-55	61
06:00	0	0	0	0	1	0	11	65	72	41	11	0	0	0	201	46-55	137
07:00	0	1	5	3	7	9	42	89	119	36	8	1	0	0	320	46-55	208
08:00	0	3	3	1	4	9	74	147	80	23	1	1	0	0	346	46-55	227
09:00	0	4	1	2	4	7	63	101	86	22	2	0	0	0	292	46-55	187
10:00	1	0	3	0	5	7	43	123	88	23	2	0	0	0	295	46-55	211
11:00	0	1	2	0	2	13	54	137	84	16	4	0	0	0	313	46-55	221
12 PM	0	1	3	1	8	22	35	123	80	33	1	0	0	0	307	46-55	203
13:00	0	0	4	0	3	18	52	140	98	27	3	1	0	0	346	46-55	238
14:00	0	1	3	3	10	28	60	187	135	32	1	1	0	0	461	46-55	322
15:00	0	3	3	7	7	49	170	296	183	35	2	0	0	0	755	46-55	479
16:00	0	1	5	8	26	67	183	339	150	39	1	0	0	0	819	41-50	522
17:00	0	1	0	1	10	32	116	272	187	40	3	0	0	0	662	46-55	459
18:00	0	1	3	0	0	5	69	164	123	41	7	1	0	0	414	46-55	287
19:00	1	1	0	0	0	1	26	115	96	39	3	5	1	0	288	46-55	211
20:00	0	1	1	0	0	2	26	74	89	26	5	1	0	0	225	46-55	163
21:00	0	0	0	0	1	1	8	38	48	17	4	1	0	0	118	46-55	86
22:00	0	0	0	0	0	0	2	31	39	11	4	0	0	0	87	46-55	70
23:00	0	0	0	0	0	2	6	12	37	24	8	1	0	0	90	51-60	61
Total	2	21	36	26	88	278	1050	2517	1881	577	85	15	2	1	6579		
Percent	0.0%	0.3%	0.5%	0.4%	1.3%	4.2%	16.0%	38.3%	28.6%	8.8%	1.3%	0.2%	0.0%	0.0%			
AM Peak	10:00	09:00	07:00	07:00	07:00	11:00	08:00	08:00	07:00	06:00	06:00	05:00	05:00	05:00	08:00		
Vol.	1	4	5	3	7	13	74	147	119	41	11	2	1	1	346		
PM Peak	19:00	15:00	16:00	16:00	16:00	16:00	16:00	16:00	17:00	18:00	23:00	19:00	19:00	16:00			
Vol.	1	3	5	8	26	67	183	339	187	41	8	5	1	819			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total	Pace Speed	Number in Pace
09/10/20	0	0	1	0	0	0	0	0	0	1	3	20	31	26	2	2	0	0	0	0	0	0	0	0	0	0	0	86	51-60	57
01:00	1	0	0	0	0	0	0	0	0	0	4	13	4	1	0	0	0	0	0	0	0	0	0	0	0	0	23	46-55	17	
02:00	0	0	0	0	0	0	0	0	0	1	4	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14	46-55	10	
03:00	0	0	0	0	0	0	0	0	0	4	0	3	6	4	1	0	0	0	0	0	0	0	0	0	0	0	18	49-58	10	
04:00	0	1	0	0	0	0	0	0	0	2	10	6	5	5	0	0	0	0	0	0	0	0	0	0	0	0	30	46-55	16	
05:00	0	1	0	0	0	0	0	0	0	8	16	39	17	5	0	0	0	0	0	0	0	0	0	0	0	0	86	51-60	56	
06:00	0	0	1	0	1	4	30	63	49	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	168	46-55	112		
07:00	0	4	5	1	9	20	86	126	61	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	336	41-50	212		
08:00	0	3	2	0	3	14	55	153	76	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	324	46-55	229	
09:00	0	1	2	1	3	9	48	117	82	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	279	46-55	199	
10:00	0	4	1	0	1	10	43	96	86	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	46-55	182	
11:00	0	4	3	0	3	8	54	130	80	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	295	46-55	210	
12 PM	0	3	2	0	3	5	47	120	98	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305	46-55	218	
13:00	2	6	5	3	4	58	101	105	33	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	321	41-50	206	
14:00	0	3	2	1	7	37	110	180	66	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	416	41-50	290	
15:00	0	4	7	17	24	78	242	217	106	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	709	41-50	459	
16:00	9	2	4	9	17	74	170	281	175	31	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	774	46-55	456	
17:00	0	2	2	0	2	14	86	242	199	43	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	592	46-55	441	
18:00	0	1	2	0	1	3	40	138	171	44	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	406	46-55	309	
19:00	0	2	2	0	1	13	54	80	96	32	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	46-55	176	
20:00	0	0	1	0	0	5	17	73	71	21	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	46-55	144	
21:00	0	2	0	0	0	2	12	52	50	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135	46-55	102	
22:00	0	0	0	0	0	5	9	32	43	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	46-55	75	
23:00	0	0	1	1	1	1	8	29	44	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	46-55	73	
Total	12	43	43	33	80	365	1226	2291	1687	418	54	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6259			
Percent	0.2%	0.7%	0.7%	0.5%	1.3%	5.8%	19.6%	36.6%	27.0%	6.7%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak	01:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	08:00	10:00	00:00	04:00	00:00	04:00														07:00		
Vol.	1	4	5	1	9	20	86	153	86	26	5	2	1														336			
PM Peak	16:00	13:00	15:00	15:00	15:00	15:00	15:00	16:00	17:00	18:00	18:00	22:00															16:00			
Vol.	9	6	7	17	24	78	242	281	199	44	6	3															774			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total	Pace Speed	Number in Pace
09/11/20	0	0	0	0	0	0	0	0	0	1	12	33	15	7	2	1	0	0	0	0	0	0	0	0	0	0	71	46-55	48	
01:00	0	0	0	0	0	0	0	0	0	0	2	9	6	2	0	0	0	0	0	0	0	0	0	0	0	0	19	46-55	15	
02:00	0	0	0	0	0	0	0	0	0	1	2	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	11	46-55	6	
03:00	0	0	0	0	0	0	0	0	0	0	2	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	22	46-55	17	
04:00	0	1	0	0	0	0	0	0	0	8	8	12	4	1	0	0	0	0	0	0	0	0	0	0	0	0	34	46-55	20	
05:00	0	1	0	0	0	1	2	5	15	37	19	3	1	0	0	0	0	0	0	0	0	0	0	0	0	84	51-60	56		
06:00	0	1	1	0	0	3	21	48	86	37	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	205	46-55	134		
07:00	0	1	0	0	4	24	51	162	103	34	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	381	46-55	265		
08:00	0	2	5	1	2	14	52	130	91	22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	321	46-55	221		
09:00	1	3	3	0	0	5	51	132	83	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289	46-55	215		
10:00	0	0	2	1	4	6	38	139	96	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	297	46-55	235		
11:00	0	1	4	0	4	8	82	143	92	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347	46-55	235		
12 PM	0	1	1	1	4	25	62	133	102	21	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	356	46-55	235		
13:00	0	2	2	0	1	14	51	136	105	21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	333	46-55	241		
14:00	0	1	4	0	0	12	69	147	90	25	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351	46-55	237		
15:00	0	1	0	1	1	13	73	158	136	28	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	414	46-55	294		
16:00	0	0	3	1	0	40	117	290	187	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	669	46-55	477		
17:00	0	0	3	1	16	53	164	314	136	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	715	41-50	478		
18:00	0	4	2	0	1	10	72	206	168	37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	46-55	374		
19:00	0	0	2	0	1	6	42	143	113	34	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	347	46-55	256		
20:00	0	0	0	0	1	2	32	112	89	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	251	46-55	201		
21:00	0	0	0	0	2	1	13	56	63	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153	46-55	119		
22:00	0	0	0	0	3	6	23	37	44	22	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	141	46-55	81		
23:00	0	0	0	1	0	0	3	19	58	27	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	125	51-60	85		
Total	1	19	32	7	45	246	1047	2584	1921	469	49	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6437			
Percent	0.0%	0.3%	0.5%	0.1%	0.7%	3.8%	16.3%	40.1%	29.8%	7.3%	0.8%	0.3%	0.0%	0.0%																
AM Peak	09:00	09:00	08:00	08:00	07:00	07:00	11:00	07:00	07:00	06:00	06:00	00:00																07:00		
Vol.	1	3	5	1	4	24	82	162	103	37	7	1															381			
PM Peak		18:00	14:00	12:00	17:00	17:00	17:00	17:00	16:00	18:00	23:00	19:00																17:00		
Vol.		4	4	1	16	53	164	314	187	37	16	5															715			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
09/12/20	0	0	0	0	0	0	6	17	22	19	3	1	0	0	68	51-60	41
01:00	0	0	0	0	0	0	2	13	18	1	1	1	0	0	36	46-55	31
02:00	0	0	0	0	0	0	2	6	10	3	3	0	1	0	25	46-55	16
03:00	0	0	0	0	0	0	1	9	6	4	0	0	0	0	20	46-55	15
04:00	0	0	1	0	0	0	2	2	7	8	0	2	0	0	22	51-60	15
05:00	0	0	0	0	0	2	1	8	21	8	1	2	0	0	43	46-55	29
06:00	0	3	0	0	0	1	7	35	51	31	11	1	0	0	140	46-55	86
07:00	0	2	3	0	0	6	22	84	84	42	7	0	0	0	250	46-55	168
08:00	0	0	2	0	8	14	42	105	110	24	3	1	0	0	309	46-55	215
09:00	0	3	2	0	0	12	40	114	107	21	6	0	0	0	305	46-55	221
10:00	0	3	6	2	1	8	74	145	112	17	3	0	0	0	371	46-55	257
11:00	0	3	5	0	1	10	58	184	138	31	1	1	0	0	432	46-55	322
12 PM	0	3	3	0	1	13	118	236	122	15	3	0	0	0	514	46-55	358
13:00	0	2	5	1	4	41	116	191	103	17	3	0	0	0	483	41-50	307
14:00	0	0	4	0	2	24	75	178	123	25	8	0	0	0	439	46-55	301
15:00	0	1	3	0	10	14	60	184	128	34	7	0	0	0	441	46-55	312
16:00	0	2	2	0	5	33	92	140	138	33	2	0	0	0	447	46-55	278
17:00	0	1	3	0	1	10	45	177	135	38	5	0	0	0	415	46-55	312
18:00	0	1	4	0	4	20	48	136	137	29	3	0	1	0	383	46-55	273
19:00	0	0	1	0	1	11	43	103	93	25	3	0	0	0	280	46-55	196
20:00	0	2	1	0	1	4	32	80	68	17	2	0	0	0	207	46-55	148
21:00	0	0	0	0	1	3	23	62	54	16	3	0	0	0	162	46-55	116
22:00	0	0	0	0	0	4	14	47	46	14	3	2	0	0	130	46-55	93
23:00	0	0	0	0	0	0	15	43	40	23	8	1	1	0	131	46-55	83
Total	0	26	45	3	40	230	938	2299	1873	495	89	12	3	0	6053		
Percent	0.0%	0.4%	0.7%	0.0%	0.7%	3.8%	15.5%	38.0%	30.9%	8.2%	1.5%	0.2%	0.0%	0.0%			
AM Peak		06:00	10:00	10:00	08:00	08:00	10:00	11:00	11:00	07:00	06:00	04:00	02:00		11:00		
Vol.		3	6	2	8	14	74	184	138	42	11	2	1		432		
PM Peak		12:00	13:00	13:00	15:00	13:00	12:00	12:00	16:00	17:00	14:00	22:00	18:00		12:00		
Vol.		3	5	1	10	41	118	236	138	38	8	2	1		514		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
09/13/20	0	0	0	0	0	0	6	17	27	14	1	0	0	0	65	46-55	44
01:00	0	0	0	0	0	0	5	9	7	3	0	1	0	0	25	45-54	16
02:00	0	0	0	0	0	0	0	2	8	3	0	0	0	0	13	51-60	11
03:00	0	0	0	0	0	0	1	1	3	6	0	0	0	0	11	51-60	9
04:00	0	1	0	0	0	1	2	3	1	4	0	0	0	0	12	40-49	5
05:00	0	0	1	1	0	3	4	8	8	5	2	0	0	0	32	46-55	16
06:00	0	0	0	0	0	3	2	17	27	21	4	1	1	0	76	51-60	48
07:00	0	2	1	0	0	1	16	42	56	34	9	2	0	0	163	46-55	98
08:00	0	1	0	0	1	0	10	74	86	31	8	0	0	0	211	46-55	160
09:00	0	1	1	0	0	1	21	67	93	29	3	0	1	0	217	46-55	160
10:00	0	3	2	0	0	2	40	134	99	21	5	0	0	0	306	46-55	233
11:00	0	1	3	0	0	10	45	163	118	14	2	0	0	0	356	46-55	281
12 PM	0	3	2	0	0	6	71	198	119	25	4	1	0	0	429	46-55	317
13:00	0	1	4	0	2	11	61	186	135	28	2	0	0	0	430	46-55	321
14:00	0	4	0	0	3	13	63	177	119	30	4	0	0	0	413	46-55	296
15:00	0	1	2	0	2	7	41	141	109	43	8	1	0	1	356	46-55	250
16:00	0	2	4	1	3	17	45	101	110	44	6	2	1	0	336	46-55	211
17:00	0	1	3	0	0	6	41	68	99	43	9	1	0	0	271	46-55	167
18:00	0	1	1	0	1	1	14	88	91	33	7	0	0	0	237	46-55	179
19:00	0	2	1	0	0	2	26	89	63	37	3	1	0	0	224	46-55	152
20:00	0	0	1	0	0	1	21	45	54	14	3	1	0	0	140	46-55	99
21:00	0	0	0	0	2	2	6	36	48	12	6	1	0	0	113	46-55	84
22:00	0	2	2	0	0	3	9	29	20	18	3	0	1	0	87	46-55	49
23:00	0	0	0	0	0	0	9	29	30	10	2	2	0	0	82	46-55	59
Total	0	26	28	2	14	90	559	1724	1530	522	91	14	4	1	4605		
Percent	0.0%	0.6%	0.6%	0.0%	0.3%	2.0%	12.1%	37.4%	33.2%	11.3%	2.0%	0.3%	0.1%	0.0%			
AM Peak		10:00	11:00	05:00	08:00	11:00	11:00	11:00	11:00	07:00	07:00	07:00	06:00		11:00		
Vol.		3	3	1	1	10	45	163	118	34	9	2	1		356		
PM Peak		14:00	13:00	16:00	14:00	16:00	12:00	12:00	13:00	16:00	17:00	16:00	16:00	15:00	13:00		
Vol.		4	4	1	3	17	71	198	135	44	9	2	1	1	430		
Total	72	299	350	156	394	1499	6003	13702	10733	3042	456	83	13	3	36805		
Percent	0.2%	0.8%	1.0%	0.4%	1.1%	4.1%	16.3%	37.2%	29.2%	8.3%	1.2%	0.2%	0.0%	0.0%			

15th Percentile : 42 MPH
 50th Percentile : 48 MPH
85th Percentile : 54 MPH
 95th Percentile : 57 MPH

**85th and 95th Percentile Speeds
(90th percentile is approximately 56 mph)**

Stats
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 24435
 Percent in Pace : 66.4%
 Number of Vehicles > 55 MPH : 3597
 Percent of Vehicles > 55 MPH : 9.8%
 Mean Speed(Average) : 48 MPH

**ATR Speed Data -
Automatic Traffic Recorder Data for US
Route 9 just north of First Street indicating
Speeds in the Southbound direction.
Percentile Speeds provided on Page 14**

TRAFFIC DATABANK LLC
716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
09/07/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	0	0	0	0	0	2	7	18	17	3	5	3	1	0	56	46-55	35
Total	0	0	0	0	0	2	7	18	17	3	5	3	1	0	56		
Percent	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	12.5%	32.1%	30.4%	5.4%	8.9%	5.4%	1.8%	0.0%			
AM Peak Vol.																	
PM Peak Vol.						23:00	23:00	23:00	23:00	23:00	23:00	23:00	23:00	23:00	23:00		
						2	7	18	17	3	5	3	1		56		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16:20	21:25	26:30	31:35	36:40	41:45	46:50	51:55	56:60	61:65	66:70	71:75	76:999	Total	Pace Speed	Number in Pace
09/08/20	0	0	0	0	0	1	6	12	7	1	0	0	0	0	27	44-53	19
01:00	0	0	0	0	0	0	3	8	3	2	0	0	0	0	16	46-55	11
02:00	0	0	0	0	0	0	1	4	6	3	0	0	0	0	14	46-55	10
03:00	0	0	0	0	0	0	0	19	10	11	3	0	0	0	43	46-55	29
04:00	0	0	0	0	0	0	15	29	65	23	0	0	0	0	132	46-55	94
05:00	0	0	0	0	0	0	22	104	124	50	5	2	1	0	308	46-55	228
06:00	0	0	0	20	42	50	161	270	112	13	0	1	0	0	669	41-50	431
07:00	0	1	0	3	52	136	304	212	57	6	1	0	0	0	772	41-50	516
08:00	0	0	1	0	24	89	221	159	25	6	0	0	0	0	525	41-50	380
09:00	0	0	2	1	20	51	141	96	28	5	0	0	0	0	344	41-50	237
10:00	0	0	5	1	26	71	107	100	23	3	2	0	0	0	338	41-50	207
11:00	0	1	3	1	23	58	101	102	16	0	0	1	0	0	306	41-50	203
12 PM	2	1	4	4	22	56	129	68	18	5	0	0	0	0	309	41-50	197
13:00	0	0	3	8	44	62	92	100	23	0	1	0	0	0	333	41-50	192
14:00	0	1	4	2	20	57	128	99	23	2	0	0	0	0	336	41-50	227
15:00	0	3	1	4	11	55	116	127	25	2	2	0	0	0	346	41-50	243
16:00	1	6	5	11	25	78	148	98	15	2	0	0	0	0	389	41-50	246
17:00	1	3	13	15	30	81	116	78	20	3	1	0	0	0	361	36-45	197
18:00	0	1	4	1	7	37	102	105	18	4	1	0	0	0	280	41-50	207
19:00	0	3	3	0	13	14	75	87	21	5	0	0	0	0	221	41-50	162
20:00	0	2	0	0	0	6	39	66	32	6	0	0	0	0	151	41-50	105
21:00	0	0	0	0	0	0	15	60	30	6	0	0	0	0	111	46-55	90
22:00	0	0	0	0	0	3	12	46	28	8	0	0	0	0	97	46-55	74
23:00	0	0	1	0	0	1	8	20	21	12	3	1	1	0	68	46-55	41
Total	4	22	49	71	359	906	2062	2069	750	178	19	5	2	0	6496		
Percent	0.1%	0.3%	0.8%	1.1%	5.5%	13.9%	31.7%	31.9%	11.5%	2.7%	0.3%	0.1%	0.0%	0.0%			
AM Peak		07:00	10:00	06:00	07:00	07:00	07:00	06:00	05:00	05:00	05:00	05:00	05:00		07:00		
Vol.		1	5	20	52	136	304	270	124	50	5	2	1		772		
PM Peak	12:00	16:00	17:00	17:00	13:00	17:00	16:00	15:00	20:00	23:00	23:00	23:00	23:00		16:00		
Vol.	2	6	13	15	44	81	148	127	32	12	3	1	1		389		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16:20	21:25	26:30	31:35	36:40	41:45	46:50	51:55	56:60	61:65	66:70	71:75	76:999	Total	Pace Speed	Number in Pace
09/09/20	0	0	0	0	0	0	7	3	8	0	0	0	0	0	18	44-53	11
01:00	0	0	0	0	0	1	4	7	4	3	1	0	0	0	20	41-50	11
02:00	0	0	0	0	0	1	3	9	5	0	0	0	0	0	18	45-54	14
03:00	0	0	0	0	0	1	5	16	14	8	1	0	0	0	45	46-55	30
04:00	0	0	0	0	0	0	3	20	53	27	6	0	1	0	110	51-60	80
05:00	0	0	0	0	0	1	19	127	122	48	2	2	0	0	321	46-55	249
06:00	0	0	0	5	37	78	215	245	108	14	1	0	0	0	703	41-50	460
07:00	0	0	3	2	41	151	293	229	50	3	0	0	0	0	772	41-50	522
08:00	1	1	1	8	81	125	197	87	21	2	0	0	0	0	524	36-45	322
09:00	0	1	0	3	24	59	135	89	36	1	0	0	0	0	348	41-50	224
10:00	0	1	3	4	19	39	119	101	18	4	0	0	0	0	308	41-50	220
11:00	0	0	3	1	8	48	93	77	29	3	0	0	0	0	262	41-50	170
12 PM	0	1	1	4	15	78	125	61	14	0	0	0	0	0	299	36-45	203
13:00	0	1	4	9	19	67	122	90	20	1	1	1	0	0	335	41-50	212
14:00	1	0	3	3	31	60	135	97	26	6	1	1	0	0	364	41-50	232
15:00	0	1	4	5	28	41	100	107	27	4	1	0	0	0	318	41-50	207
16:00	0	0	6	6	8	50	173	110	20	5	0	0	0	0	378	41-50	283
17:00	0	0	2	9	28	74	131	102	27	4	0	0	0	0	377	41-50	233
18:00	0	0	2	1	1	22	95	112	30	6	0	0	0	0	269	41-50	207
19:00	1	1	5	0	1	27	70	62	25	3	1	1	0	0	197	41-50	132
20:00	0	0	2	0	0	2	28	64	30	3	0	0	0	0	129	45-54	94
21:00	0	0	1	1	0	6	25	38	25	6	1	0	0	0	103	46-55	63
22:00	0	0	0	0	0	2	18	38	34	9	0	0	0	0	101	46-55	72
23:00	0	0	0	0	0	0	5	18	16	11	2	0	0	0	52	46-55	34
Total	3	7	40	61	341	933	2120	1909	762	171	18	5	1	0	6371		
Percent	0.0%	0.1%	0.6%	1.0%	5.4%	14.6%	33.3%	30.0%	12.0%	2.7%	0.3%	0.1%	0.0%	0.0%			
AM Peak	08:00	08:00	07:00	08:00	08:00	07:00	07:00	06:00	05:00	05:00	04:00	05:00	04:00		07:00		
Vol.	1	1	3	8	81	151	293	245	122	48	6	2	1		772		
PM Peak	14:00	12:00	16:00	13:00	14:00	12:00	16:00	18:00	22:00	23:00	23:00	13:00			16:00		
Vol.	1	1	6	9	31	78	173	112	34	11	2	1		378			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total	Pace Speed	Number in Pace
09/11/20	0	0	0	0	0	0	0	0	0	4	3	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	46-55	11
01:00	0	0	0	0	0	0	0	0	0	0	1	10	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	46-55	18
02:00	0	0	0	0	0	0	0	0	0	0	1	5	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	22	46-55	17
03:00	0	0	0	1	0	0	0	0	0	0	4	11	23	7	1	0	0	0	0	0	0	0	0	0	0	0	0	47	46-55	34
04:00	0	0	0	0	0	0	0	2	11	16	16	51	21	1	0	0	0	0	0	0	0	0	0	0	0	0	102	51-60	72	
05:00	0	0	0	0	0	1	10	16	121	121	36	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	311	46-55	242	
06:00	0	0	0	0	17	30	36	189	276	115	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	684	41-50	465	
07:00	0	1	1	29	72	132	232	213	45	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	731	41-50	445	
08:00	0	0	5	2	26	88	160	168	46	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	502	41-50	328	
09:00	0	0	3	2	13	54	129	106	19	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330	41-50	235	
10:00	0	0	1	3	31	48	111	78	26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	299	41-50	189	
11:00	0	0	8	6	24	51	115	93	19	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	321	41-50	208	
12 PM	0	0	2	2	26	69	94	96	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	306	41-50	190	
13:00	0	0	3	2	9	62	114	101	30	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	327	41-50	215	
14:00	0	0	0	7	29	44	137	119	32	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	373	41-50	256	
15:00	0	3	4	5	36	82	136	100	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	391	41-50	236	
16:00	0	0	3	0	15	74	138	138	26	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	399	41-50	276	
17:00	0	0	3	2	12	52	158	123	30	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	386	41-50	281	
18:00	0	2	3	0	0	28	139	136	31	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	341	41-50	275	
19:00	0	3	3	1	8	36	81	67	22	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	41-50	148	
20:00	0	0	1	0	0	16	75	56	19	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	171	41-50	131	
21:00	0	0	0	0	1	15	45	58	22	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147	41-50	103	
22:00	0	0	1	1	1	3	22	47	31	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	46-55	78	
23:00	0	0	1	0	1	1	19	34	17	8	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	41-50	53	
Total	0	9	43	79	335	907	2130	2179	790	158	21	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6659			
Percent	0.0%	0.1%	0.6%	1.2%	5.0%	13.6%	32.0%	32.7%	11.9%	2.4%	0.3%	0.1%	0.0%	0.0%																
AM Peak		07:00	11:00	07:00	07:00	07:00	07:00	06:00	05:00	05:00	05:00	05:00																07:00		
Vol.		1	8	29	72	132	232	276	121	36	4	2																731		
PM Peak		15:00	15:00	14:00	15:00	15:00	17:00	16:00	14:00	22:00	20:00	23:00																16:00		
Vol.		3	4	7	36	82	158	138	32	12	3	3																399		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
09/12/20	0	0	0	0	1	0	5	11	7	5	0	0	0	0	29	45-54	18
01:00	0	0	0	0	0	1	4	12	4	1	0	0	0	0	22	41-50	16
02:00	0	0	0	0	0	1	5	5	3	3	0	0	0	0	17	41-50	10
03:00	0	0	0	0	0	0	4	8	7	5	0	1	0	0	25	46-55	15
04:00	0	0	0	0	1	1	9	14	20	12	1	0	0	0	58	46-55	34
05:00	0	0	0	0	0	0	14	36	51	21	3	1	1	0	127	46-55	87
06:00	0	1	0	0	0	16	51	119	78	26	4	0	0	0	295	46-55	197
07:00	0	0	1	1	1	23	105	120	51	8	0	1	0	0	311	41-50	225
08:00	0	0	0	0	1	11	74	127	45	5	1	1	0	0	265	41-50	201
09:00	0	0	2	2	2	20	95	120	33	8	1	0	0	0	283	41-50	215
10:00	0	4	9	4	8	21	82	110	25	6	2	1	0	0	272	41-50	192
11:00	3	2	5	4	11	43	114	100	28	6	0	0	0	0	316	41-50	214
12 PM	0	1	1	3	20	59	130	109	26	1	0	0	0	0	350	41-50	239
13:00	0	1	2	3	16	67	162	105	21	0	1	0	0	0	378	41-50	267
14:00	0	1	4	2	13	80	187	119	24	6	0	0	0	1	437	41-50	306
15:00	0	3	2	1	9	104	168	118	20	1	0	0	0	0	426	41-50	286
16:00	0	4	6	13	25	100	201	89	14	1	0	0	0	0	453	36-45	301
17:00	0	1	3	3	26	80	182	128	16	1	0	0	0	0	440	41-50	310
18:00	0	1	5	7	22	55	121	100	21	4	0	0	0	0	336	41-50	221
19:00	1	0	0	0	5	40	121	79	28	4	0	0	0	0	278	41-50	200
20:00	0	0	1	0	4	19	82	83	14	0	0	0	0	0	203	41-50	165
21:00	0	0	1	0	0	8	59	72	15	5	0	0	0	0	160	41-50	131
22:00	0	0	1	0	1	3	39	69	21	1	0	0	0	0	135	41-50	108
23:00	0	0	1	0	0	3	23	28	13	12	1	0	0	0	81	41-50	51
Total	4	19	44	43	166	755	2037	1881	585	142	14	5	1	1	5697		
Percent	0.1%	0.3%	0.8%	0.8%	2.9%	13.3%	35.8%	33.0%	10.3%	2.5%	0.2%	0.1%	0.0%	0.0%			
AM Peak	11:00	10:00	10:00	10:00	11:00	11:00	11:00	08:00	06:00	06:00	06:00	03:00	05:00		11:00		
Vol.	3	4	9	4	11	43	114	127	78	26	4	1	1		316		
PM Peak	19:00	16:00	16:00	16:00	17:00	15:00	16:00	17:00	19:00	23:00	13:00			14:00	16:00		
Vol.	1	4	6	13	26	104	201	128	28	12	1			1	453		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
US 9 N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16:20	21:25	26:30	31:35	36:40	41:45	46:50	51:55	56:60	61:65	66:70	71:75	76:999	Total	Pace Speed	Number in Pace
09/13/20	0	0	0	0	0	2	6	22	7	1	0	0	0	0	38	44-53	29
01:00	0	0	1	0	0	1	4	10	7	0	0	0	0	0	23	46-55	17
02:00	0	0	0	0	0	1	4	5	3	1	1	0	0	0	15	41-50	9
03:00	0	0	0	0	0	0	1	7	12	2	0	0	0	0	22	46-55	19
04:00	0	0	0	0	0	0	0	7	27	8	0	0	0	0	42	51-60	35
05:00	0	0	0	0	0	2	16	51	28	8	2	0	0	0	107	51-60	79
06:00	0	0	0	0	0	1	21	66	47	22	4	3	1	0	165	46-55	113
07:00	0	0	0	0	2	4	39	54	52	9	1	1	0	0	162	46-55	106
08:00	0	1	1	0	0	1	32	82	56	12	2	1	0	0	188	46-55	138
09:00	0	0	1	1	0	16	61	80	32	4	1	0	1	0	197	41-50	141
10:00	0	1	1	7	11	21	89	107	32	6	0	0	0	0	275	41-50	196
11:00	0	0	4	0	7	21	84	124	31	4	1	0	0	0	276	41-50	208
12 PM	0	2	2	1	3	48	146	111	28	1	0	0	0	0	342	41-50	257
13:00	0	2	2	0	7	43	162	122	22	2	0	0	0	0	362	41-50	284
14:00	0	2	1	3	19	72	138	125	32	5	1	0	0	0	398	41-50	263
15:00	0	2	4	4	19	77	191	79	22	3	0	0	0	0	401	41-50	270
16:00	1	0	8	2	46	72	142	109	26	2	0	0	0	0	408	41-50	251
17:00	0	1	3	2	9	74	109	105	26	6	0	0	0	0	335	41-50	214
18:00	0	0	2	0	4	39	130	131	34	1	0	0	0	0	341	41-50	261
19:00	0	2	0	1	2	29	93	97	25	2	1	0	0	0	252	41-50	190
20:00	0	0	1	2	0	6	34	78	31	2	0	0	0	0	154	41-50	112
21:00	0	0	0	0	5	6	24	47	33	4	1	0	0	0	120	46-55	80
22:00	0	0	1	0	0	1	20	32	28	4	1	0	0	0	87	46-55	60
23:00	0	0	1	0	0	1	10	16	19	8	3	1	0	0	59	46-55	35
Total	1	13	33	23	134	536	1542	1632	683	137	25	8	2	0	4769		
Percent	0.0%	0.3%	0.7%	0.5%	2.8%	11.2%	32.3%	34.2%	14.3%	2.9%	0.5%	0.2%	0.0%	0.0%			
AM Peak		08:00	11:00	10:00	10:00	10:00	10:00	11:00	08:00	05:00	05:00	06:00	06:00		11:00		
Vol.		1	4	7	11	21	89	124	56	28	8	3	1		276		
PM Peak	16:00	12:00	16:00	15:00	16:00	15:00	15:00	18:00	18:00	23:00	23:00	23:00			16:00		
Vol.	1	2	8	4	46	77	191	131	34	8	3	1		408			
Total	16	86	265	340	1630	5015	11891	11509	4234	902	125	38	10	1	36062		
Percent	0.0%	0.2%	0.7%	0.9%	4.5%	13.9%	33.0%	31.9%	11.7%	2.5%	0.3%	0.1%	0.0%	0.0%			

15th Percentile : 38 MPH
 50th Percentile : 44 MPH
85th Percentile : 49 MPH
 95th Percentile : 54 MPH

**85th and 95th Percentile Speeds
(90th percentile is approximately 53 mph)**

Stats
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 23400
 Percent in Pace : 64.9%
 Number of Vehicles > 55 MPH : 1076
 Percent of Vehicles > 55 MPH : 3.0%
 Mean Speed(Average) : 45 MPH

Synchro 10 Peak-Hour Driveway Analysis with 2 & 4 Trucks

AM Synchro 10 Driveway Analysis with 2 trucks

HCM Unsignalized Intersection Capacity Analysis 4: US Route 9 & Site Driveway

T-Shaped AM Synchro - WS.syn
09/15/2020



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	3	1	4	412	800	13
Future Volume (Veh/h)	3	1	4	412	800	13
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	3	1	4	448	870	14
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1333	877	884			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1333	877	884			
tC, single (s)	6.7	7.2	4.3			
tC, 2 stage (s)						
tF (s)	3.8	4.2	2.4			
p0 queue free %	98	100	99			
cM capacity (veh/h)	145	237	677			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	4	452	884			
Volume Left	3	4	0			
Volume Right	1	0	14			
cSH	161	677	1700			
Volume to Capacity	0.02	0.01	0.52			
Queue Length 95th (ft)	2	0	0			
Control Delay (s)	28.0	0.2	0.0			
Lane LOS	D	A				
Approach Delay (s)	28.0	0.2	0.0			
Approach LOS	D					
Intersection Summary						
Average Delay			0.1			
Intersection Capacity Utilization			52.9%	ICU Level of Service	A	
Analysis Period (min)			15			

AM Synchro 10 Driveway Analysis with 4 trucks

HCM Unsignalized Intersection Capacity Analysis 4: US Route 9 & Site Driveway

T-Shaped AM 2 Trucks Synchro - WS.syn
09/15/2020



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	4	2	5	412	800	14
Future Volume (Veh/h)	4	2	5	412	800	14
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	4	2	5	448	870	15
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1336	878	885			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1336	878	885			
tC, single (s)	6.9	7.2	4.5			
tC, 2 stage (s)						
tF (s)	4.0	4.2	2.6			
p0 queue free %	97	99	99			
cM capacity (veh/h)	133	237	627			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	6	453	885			
Volume Left	4	5	0			
Volume Right	2	0	15			
cSH	156	627	1700			
Volume to Capacity	0.04	0.01	0.52			
Queue Length 95th (ft)	3	1	0			
Control Delay (s)	29.0	0.2	0.0			
Lane LOS	D	A				
Approach Delay (s)	29.0	0.2	0.0			
Approach LOS	D					
Intersection Summary						
Average Delay			0.2			
Intersection Capacity Utilization			53.0%	ICU Level of Service	A	
Analysis Period (min)			15			

PM Synchro 10 Driveway Analysis with 2 trucks

HCM Unsignalized Intersection Capacity Analysis 4: US Route 9 & Site Driveway

T-Shaped PM 2 TrucksSynchro - WS.syn
09/15/2020



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	12	5	3	873	513	4
Future Volume (Veh/h)	12	5	3	873	513	4
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	13	5	3	949	558	4
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1515	560	562			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1515	560	562			
tC, single (s)	6.6	6.6	4.8			
tC, 2 stage (s)						
tF (s)	3.6	3.7	2.8			
p0 queue free %	89	99	100			
cM capacity (veh/h)	122	462	756			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	18	952	562			
Volume Left	13	3	0			
Volume Right	5	0	4			
cSH	153	756	1700			
Volume to Capacity	0.12	0.00	0.33			
Queue Length 95th (ft)	10	0	0			
Control Delay (s)	31.6	0.1	0.0			
Lane LOS	D	A				
Approach Delay (s)	31.6	0.1	0.0			
Approach LOS	D					
Intersection Summary						
Average Delay			0.4			
Intersection Capacity Utilization			58.3%	ICU Level of Service	B	
Analysis Period (min)			15			

PM Synchro 10 Driveway Analysis with 4 trucks

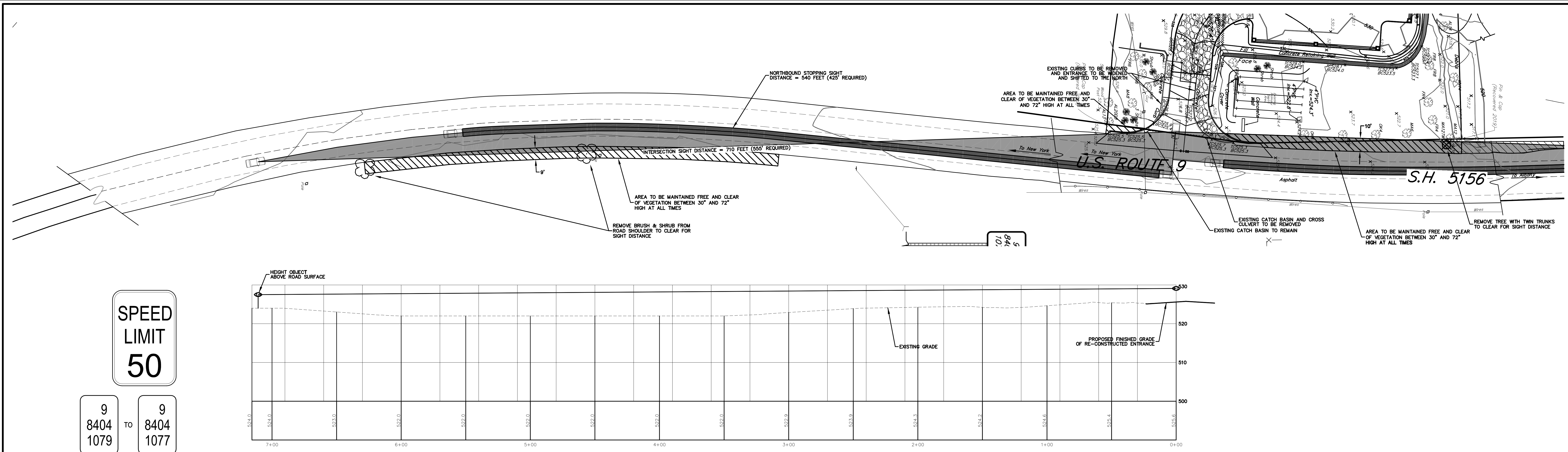
HCM Unsignalized Intersection Capacity Analysis
4: US Route 9 & Site Driveway

T-Shaped PM Synchro - WS.syn
09/15/2020

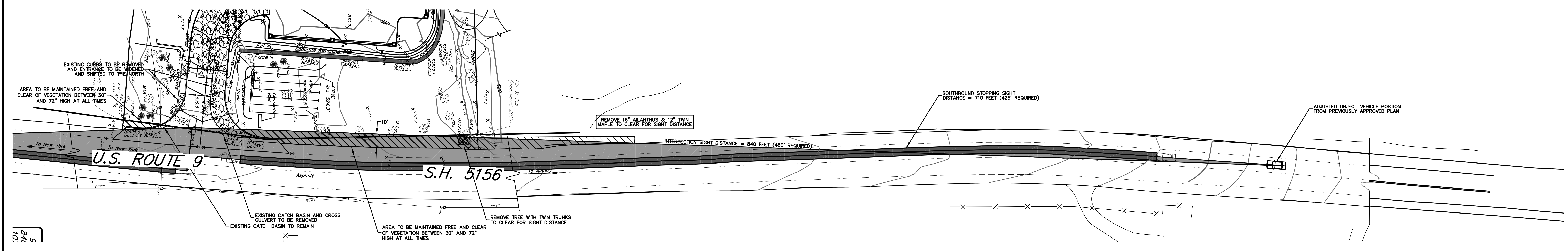


Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	11	4	2	873	513	3
Future Volume (Veh/h)	11	4	2	873	513	3
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	12	4	2	949	558	3
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1512	560	561			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1512	560	561			
tC, single (s)	6.5	6.5	4.6			
tC, 2 stage (s)						
tF (s)	3.6	3.5	2.7			
p0 queue free %	91	99	100			
cM capacity (veh/h)	128	487	810			
Direction, Lane #						
	EB 1	NB 1	SB 1			
Volume Total	16	951	561			
Volume Left	12	2	0			
Volume Right	4	0	3			
cSH	156	810	1700			
Volume to Capacity	0.10	0.00	0.33			
Queue Length 95th (ft)	8	0	0			
Control Delay (s)	30.6	0.1	0.0			
Lane LOS	D	A				
Approach Delay (s)	30.6	0.1	0.0			
Approach LOS	D					
Intersection Summary						
Average Delay			0.4			
Intersection Capacity Utilization			57.5%	ICU Level of Service		B
Analysis Period (min)			15			

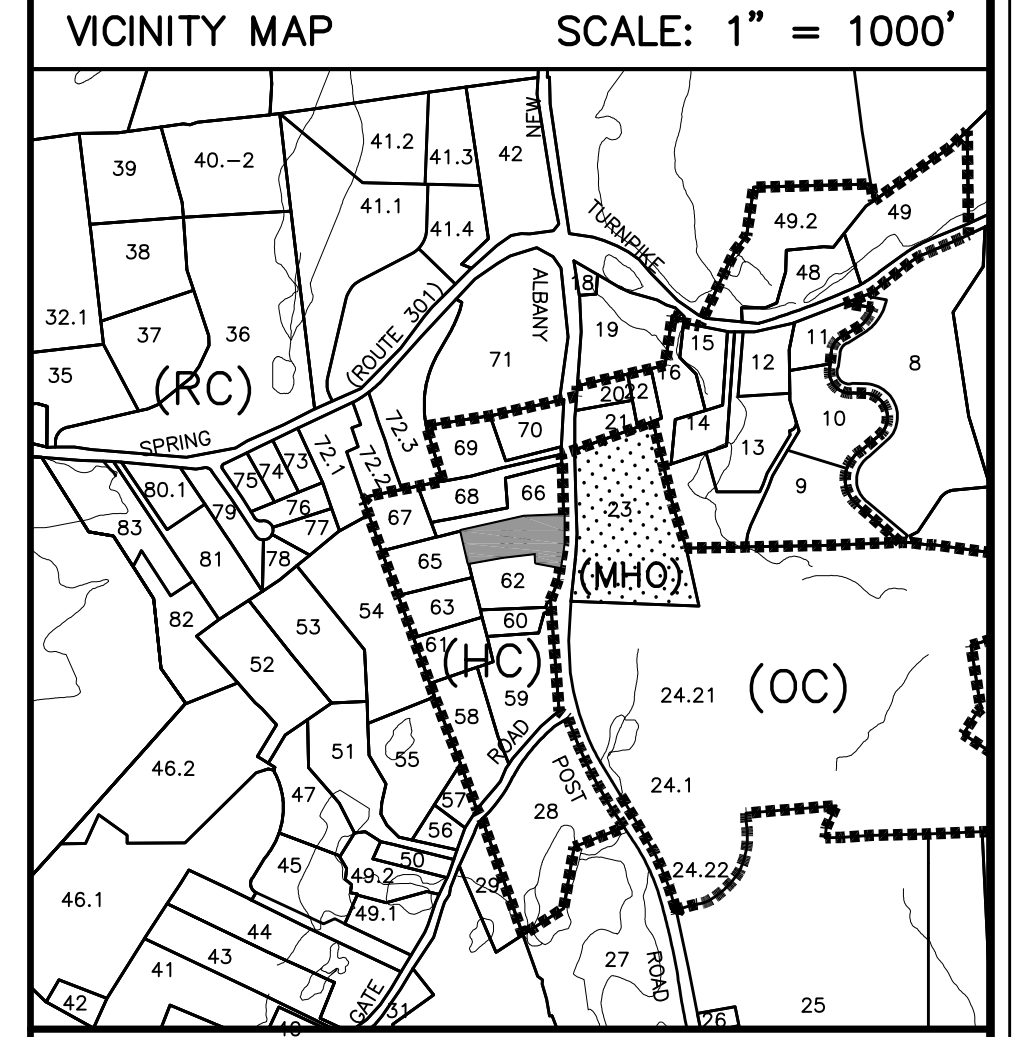
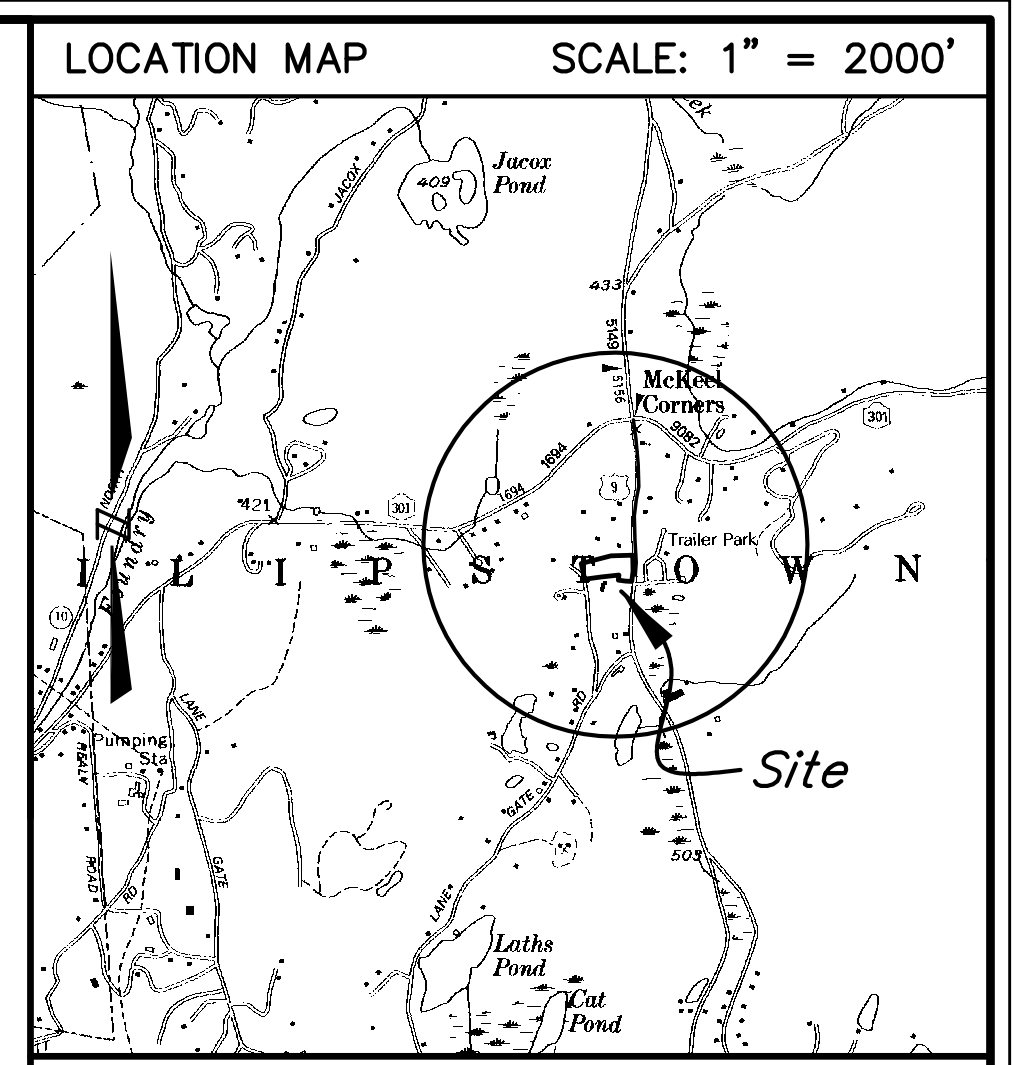
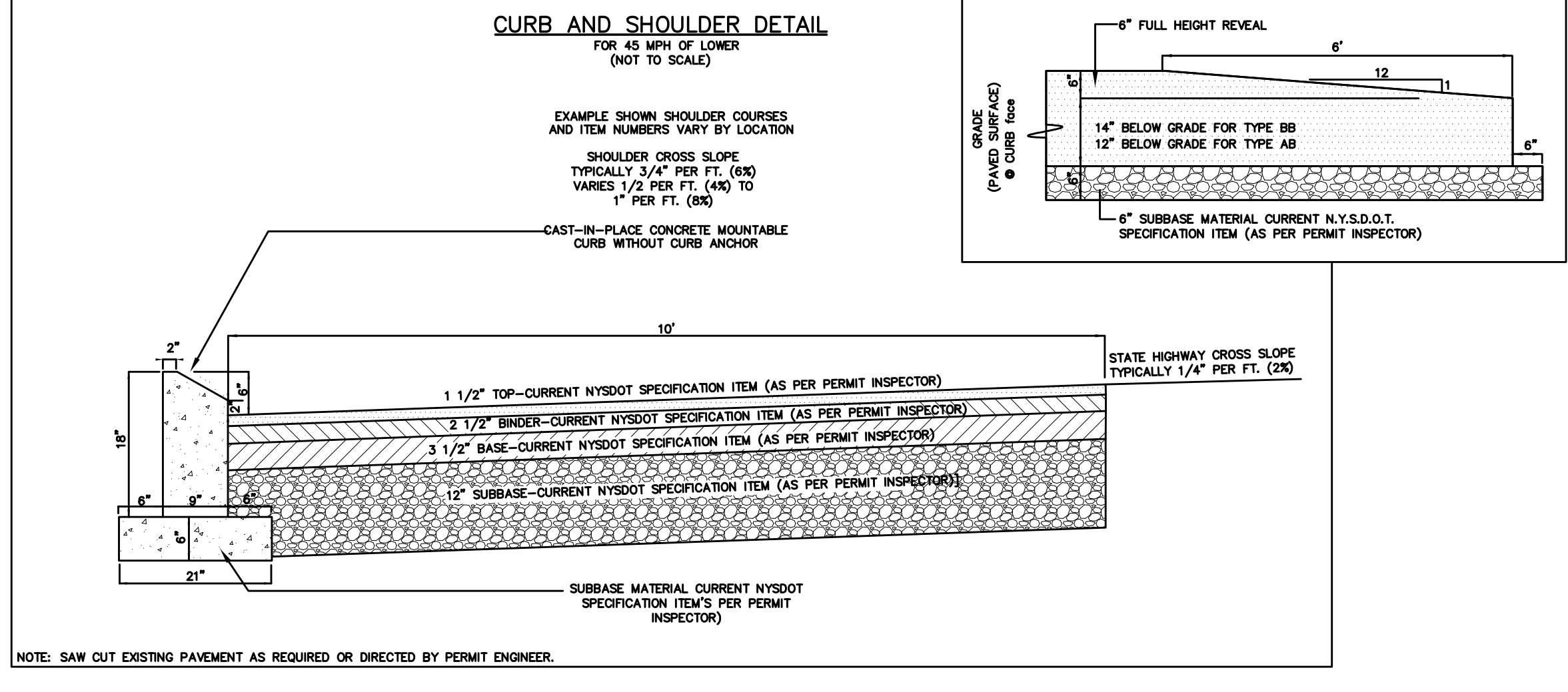
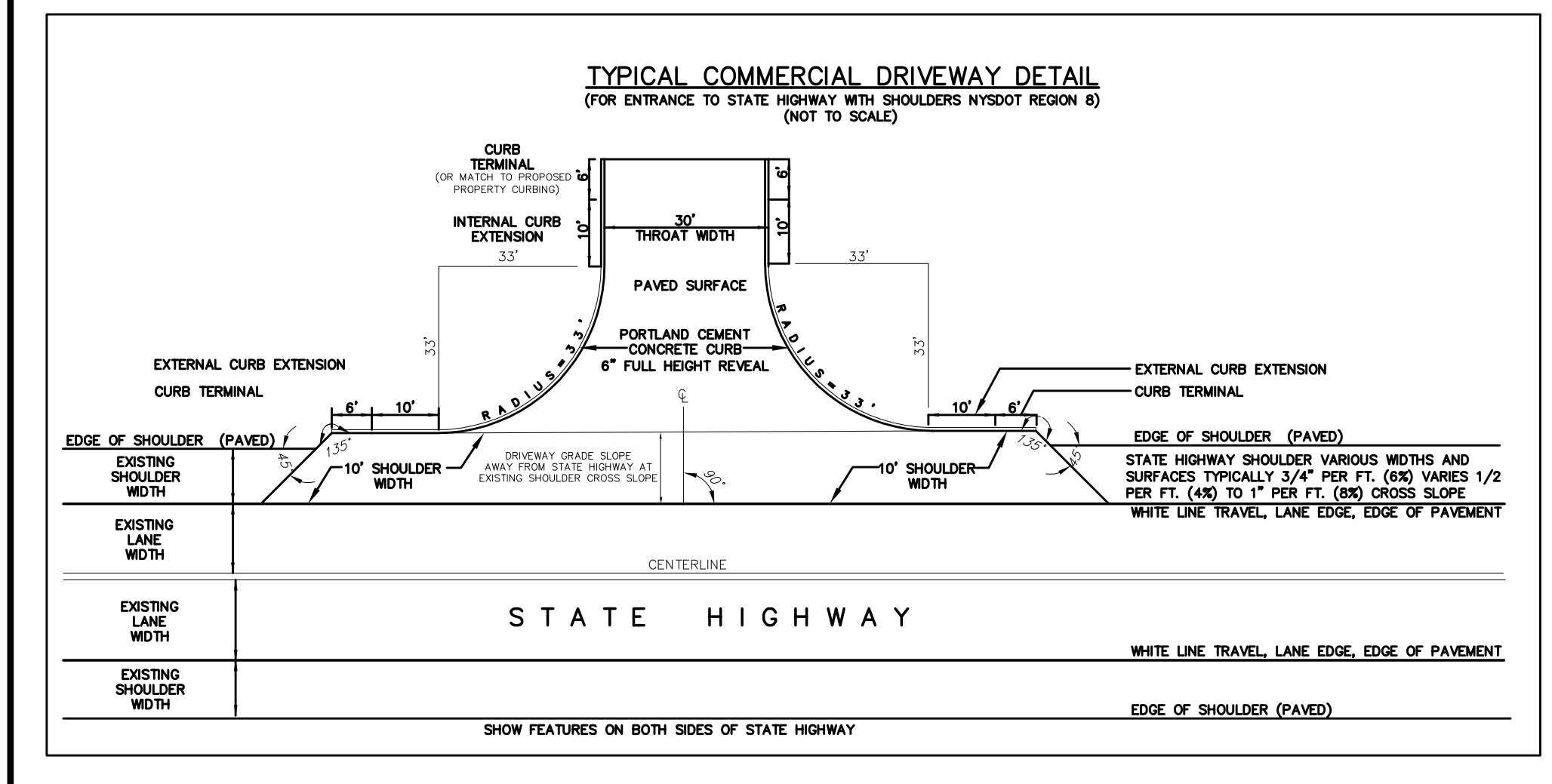
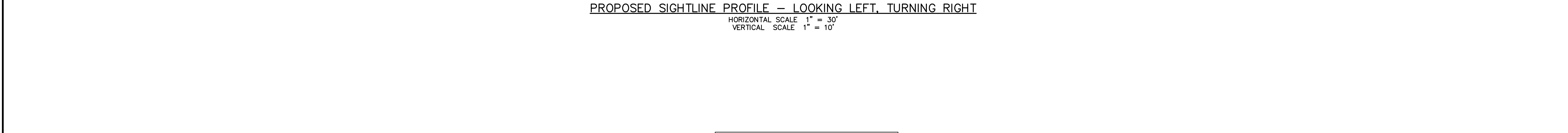
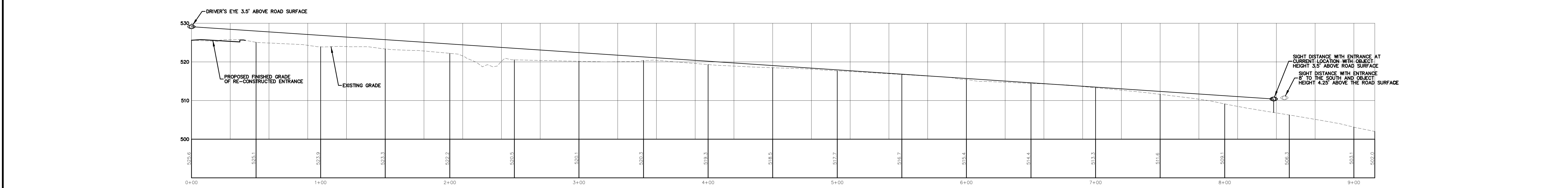
Badey & Watson Sight Line Plan (Sheet 10 of 11)



PROPOSED SIGHTLINE PROFILE - LOOKING RIGHT, TURNING LEFT
HORIZONTAL SCALE 1" = 30'
VERTICAL SCALE 1" = 10'



PROPOSED SIGHTLINE PROFILE - LOOKING LEFT, TURNING RIGHT
HORIZONTAL SCALE 1" = 30'
VERTICAL SCALE 1" = 10'



SITE DATA
TAX MAP NO: 38-3-64
LOT AREA: 2.549 ACRES
ZONING DISTRICT: HIGHWAY COMMERCIAL (HC)
PROPOSED USE: WAREHOUSE AND OFFICE (BOTH PERMITTED BY RIGHT SUBJECT TO SITE PLAN APPROVAL BY THE PLANNING BOARD)
SCHOOL DISTRICT: HALDANE CENTRAL S.D.
FIRE: NORTH HIGHLANDS ENGINE CO. 1
AMBULANCE: PHILIPSTOWN VOLUNTEER AMBULANCE CORPS
SUBDIVISION: CURRENT LOT CONFIGURATION NOT SHOWN ON A FILED MAP

MAP NOTES
THE SURVEY DATA & TOPOGRAPHIC INFORMATION SHOWN HEREON IS AS SHOWN ON THAT CERTAIN MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR CRS INTERNATIONAL, INC." PREPARED BY BADEY & WATSON, SURVEYING AND ENGINEERING, P.C. DATED DECEMBER 12, 2019.

DATE	DESCRIPTION
01/02/20	ORIGINAL DRAWING
02/06/20	BUILDING FOOTPRINT, DRIVEWAY ALIGNMENTS
03/18/20	CLIENT REVIEW
05/07/20	REV LOADING DOCKS/ACCESS, EXG RET WALLS
07/03/20	ADDITIONAL NYSDOT HIGHWAY ENTRY ANALYSIS
07/20/20	NYSDOT INITIAL WORK PERMIT APPLICATION
08/05/20	ADDRESS TECHNICAL MEMO DATED 07/15/20
09/14/20	ADD R.O.W. MAINTENANCE NOTES TO THIS SHEET

PROPERTY OWNER
JOSEPH GIACHINTA TESTAMENTARY TRUST B c/o RALPH FLEMING, TRUSTEE
289 FISHKILL ROAD
COLD SPRING, NY 10516

ARCHITECT
HUDSON DESIGN - ARCHITECTURE & CONSTRUCTION MANAGEMENT PLLC
1949 ROUTE 9
COLD SPRING, NY 10516
(845) 424-4810

PROJECT LOCATION
2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN
COUNTY OF PUTNAM
STATE OF NEW YORK

PROJECT DESCRIPTION
NEW CONSTRUCTION OF A WHOLESALE DISTRIBUTION WAREHOUSE INCLUDING ASSOCIATED OFFICES TO BE SERVED BY A SEPARATE SUBSURFACE SEWAGE TREATMENT SYSTEM AND PRIVATE INDIVIDUAL WELL.

APPLICANTS
CRS INTERNATIONAL, INC. (CONTRACT VENUEE)
3027 ROUTE 9
COLD SPRING, NY 10516

COMMERCIAL ACCESS HIGHWAY WORK PERMIT PLAN

MAJOR SITE PLAN SET

SCALE: AS NOTED
PRINTED
SEPTEMBER 14, 2020
BADEY & WATSON
Surveying & Engineering, P.C.

COPYRIGHT 2020 BY BADEY & WATSON, SURVEYING & ENGINEERING, P.C.
BADEY & WATSON
Surveying & Engineering, P.C.
3063 Route 9 Cold Spring, NY 10516
www.BadeyWatson.com
845.265.9217
845.265.4438 (fax)
877.3.441559 (toll free)

DRAWING NAME: SP25060 ROB_V04 LAYOUT: NYSDOT W.O. NO. 25060 CHECKED BY: MSM DRAWN BY: JRS



TRAFFIC IMPACT ASSESSMENT

To: Philipstown Planning Board

From: John Canning, P.E.
Veronica Prezioso, Analyst

Date: July 28, 2020. Marked up **in Red** 9/4/20 for clarity, as requested

Subject: Traffic Impact Assessment Letter
Proposed CRS Warehouse Development
2761 US 9
Cold Spring, NY

Kimley-Horn has prepared this Traffic Impact Assessment to document the evaluation that has been conducted to ensure that the proposed 18,000-sf warehouse facility (the "Project") is suitably located and that it will operate safely and efficiently. The Project is located at 2761 US 9 in the Town of Philipstown, New York, in Putnam County.

Project Description

The site currently consists of old rock monuments surrounding its perimeter, with no existing building on-site. It is located along the west side of US 9, roughly 0.32 miles south of the signalized intersection of US 9 with New York State Route 301. US 9 at the location of the site driveway is relatively straight and level (As shown on Sheet 5 of 5, prepared by Badey & Watson, last revised 7/3/20, there is a slight curve with a radius of approximately 2,250 feet to the north of the driveway and another slight curve with a radius of approximately 1,350 feet to the south of the driveway, while the road slopes up toward the driveway at a rate of approximately 1.8% for the last 300 feet from the south and at a rate of approximately 0.9% for the last 300 feet approaching from the south).

The proposed development of the CRS Warehouse is to consist of 20,340 sf wholesale warehouse space, including some administrative office space. The driveway will remain in roughly the same location and has been reviewed by New York State Department of Transportation (NYSDOT).

Suitability of US Route 9 to Support Warehouse Development

US 9 is a north-south oriented state highway that stretched from Canada to Delaware and, in New York, runs down the eastern edge of the state. It is classified by NYSDOT as a principal arterial roadway, as

well as an access highway¹. Not all state highways are designated as access highways and, as seen on the attached documentation, NYSDOT has specifically designated US 9 as a roadway suitable for the use of 53' tractor trailers.

Within the study area, US 9 is named Albany Post Road and provides one travel lane per direction of 12 to 13 feet in width. US 9 has a posted speed limit of 50 miles per hour (mph) and the pavement is in good condition. No street parking, crosswalks or sidewalks are provided in the area. The proposed driveway is located approximately 1,800 feet south of the nearest signalized intersection, so operations at the driveway are well out of the sphere of influence of that intersection.

Relative Increase in Highway Traffic

Project traffic was determined from the Trip Generation Manual, Tenth Edition, published by the Institute of Transportation Engineers (ITE). This widely-utilized reference source contains trip generation rates for the subject use: "Warehousing" (Land Use Code 150, see attachments).

Project-generated trips for a warehouse with 30 employees were determined for the weekday AM and PM peak hours and are shown in **Tables 1 and 2** below, respectively. The Project's peak-hour trips were compared to the existing peak-hour traffic activity on US Route 9, which was obtained from NYSDOT Average Annual Daily Traffic (AADT) volumes collected by a counter located 0.98 miles South of the Project. Since these volumes were from April 2011, they were increased by 1.5% per year (a total of 13.5%) to account for growth to 2020.

Table 1 – Trip Generation Summary, AM Peak Hour

7:00-8:00 AM			
	Cars & Buses	Single-unit Trucks	Tractor Trailers
Existing Trips	1094	59	23
Project Trips	19	1	1
Net Trips	1113	60	24

Table 2 – Trip Generation Summary, PM Peak Hour

4:00-5:00 PM			
	Cars & Buses	Single-unit Trucks	Tractor Trailers
Existing Trips	1251	67	27
Project Trips	18	1	1
Net Trips	1269	68	28

See Exhibit 1

¹ Refer to the attachments for further information from NYSDOT's *Official Description of Designated Qualifying and Access Highways in New York State*.

See Figure 1 and ATR Traffic Volume Data

See Figure 2 and ATR Traffic Volume Data

Truck trip percentages were obtained for US Route 9 from a NYSDOT AADT count just north of NYS 301, while the truck percentages for the Project (Single-unit Trucks and Tractor-Trailers) were obtained from surveys conducted by Kimley-Horn of a distribution warehouse next to I-84 in Orange County. The truck percentages were applied to the total AADT for US Route 9 and the total site trips to yield the existing and projected truck trips.

As shown in Table 1, the Project would be expected to generate 19 passenger vehicle trips, 1 single-unit truck trip, and 1 tractor trailer trip during the weekday AM peak hour on US 9. Compared to the existing trips, the net increase in overall trips is 1.8% (0.9% if there is a 50/50 split of traffic headed north and south on US 9) and there is only a nominal increase in truck traffic.

As shown in Table 2 above, the Project would be expected to generate 18 passenger vehicle trips, 1 single-unit truck trip, and 1 tractor trailer trip during the weekday PM peak hour on US 9. Compared to the existing trips, the net increase in overall trips is 1.5% (0.75% if there is a 50/50 split of traffic headed north and south on US 9) and again there is only a nominal increase in truck traffic.

Speed Past the Site Driveway on US 9

In order to evaluate the impact of the Project on roadway conditions in the area and to calculate accurate sight distance requirements, a speed and volume study was undertaken on US 9 just north of 1st Street between Tuesday, July 28th, 2020 and Saturday, August 1st, 2020. The Average speed of traffic past the site was just 44 mph, 6 mph lower than the speed limit. For more rigorous design purposes, the 85th percentile speeds were determined to be 52 mph northbound and 49 mph southbound. Data from this study are shown in the attached.

See ATR
Speed
Data

Driveway Sight Distances

A sight distance analysis was conducted at the intersection of US 9 with the proposed site driveway to identify if adequate intersection and stopping sight distances are provided. The observations were then compared to sight distance requirements provided in the American Association of State Highway and Transportation Officials' (AASHTO) publication, *A Policy on Geometric Design of Highways and Streets, 7th Edition (2018)*.

Stopping sight distance is to allow a motorist "to stay within his or her lane and maintain steering control during the braking maneuver on wet surfaces" (AASHTO, 2018). Intersection sight distance is to "provide sufficient time for the minor-road vehicle to accelerate from a stop and complete a left-turn without unduly interfering with major road traffic operations" (AASHTO, 2018). Further, AASHTO notes that with the required intersection sight distance values shown in Table 3, vehicles traveling at the 85th percentile should not have to slow down below 35 mph if they encounter a car or single-unit truck exiting the project site (30 mph if they encounter a tractor trailer).

See Exhibit 2
Badey & Watson
Sheet 5 of 5

* See Response to Comments Memo
dated 9/14/2020 for updated information

* Table 3 – Sight Distance Analysis				
	Intersection Sight Distance Required (feet)		Intersection Sight Distance Available (feet)	
	Looking Right	Looking Left	Looking Right	Looking Left
Site Driveway	575	555	710 ¹	840 ¹
	Stopping Sight Distance Required (feet)		Stopping Sight Distance Available (feet)	
	Traveling NB	Traveling SB	Traveling NB	Traveling SB
US 9	450	425	710 ¹	840 ¹

Intersection and stopping sight distances are based on the higher of the 85th percentile speed or the posted speed limit (52 mph NB, 50 mph SB).

¹ As shown Sheet 5 of 5 prepared by Badey & Watson, last revised, 7/3/20, with the removal of vegetation as shown on the attached Vegetation Removal Plan.

According to AASHTO, the required minimum intersection sight distance for drivers exiting the site driveway is 575 feet to the right and 555 feet to the left. Field measurements conducted by Kimley-Horn indicate that existing foliage on the opposite side of US 9 hinders the view of a driver exiting the driveway and looking to the right. As shown on the attached, if this foliage is trimmed and maintained, exiting motorists will have 710 feet of sight distance available to the right. Looking to the left, Kimley-Horn’s observations revealed that a twin maple tree hinders the view of a driver exiting the driveway. If this twin tree is removed, existing motorists will have 840 feet of sight distance available to the left.

As can be seen from Table 3, stopping sight distance, which is a fundamental safety requirement, has values which are considerably lower than intersection sight distance, which is more concerned about the disruption of the flow of through traffic. Since the minimum required sight distances will be provided and because the volume of traffic generated by the site, especially the volume of truck traffic, is very modest, there will be minimal disruption to traffic flow on US Route 9 and the site will have the necessary sight distances to operate safely.

Truck Maneuvering

Truck turning analyses were conducted to ensure that the driveway on US 9 will allow vehicles and trucks to safely access and circulate throughout the site. Four templates have been prepared for a WB-67 tractor trailer, the largest-anticipated delivery vehicle, entering and exiting the site in every direction. The attached plans confirm that WB-67’s can safely access, circulate around the site and exit to US 9.

See Exhibits 3 through 6

Conclusions

As demonstrated by the evidence provided in the assessment, US Route 9 is a roadway suitable for travel by WB-67 vehicles (tractors with 53' trailers) as it is so designated by the NYSDOT. The project will only increase traffic volumes on US 9 by approximately 1% in the peak hours and the level of truck activity will be nominal (one or two truck in the peak hour). The driveway has been located so that, with minimal clearing, over 700 feet of sight distance can be provided in either direction, well more than the required minimum. Further, the driveway has been designed to allow even the largest vehicles to turn smoothly onto and off of US 9. In sum, based on the data contained herein, it is concluded that the proposed facility will operate safely and that it will have a minimal impact on area traffic operating conditions.

Sincerely,

KIMLEY-HORN OF NEW YORK, P.C.



By: John Canning, P.E.
Project Manager

Attachments

- Designated Qualifying and Access Highways in New York State
 - Trip Generation, Land Use Code 150: Warehousing
 - Automatic Traffic Recorder (ATR) Study on US 9
 - Vegetation Removal Plan
 - Truck Maneuvering Plans

Designated Qualifying and Access Highways in New York State

Exhibit 1

The is the information pulled directly from the NYSDOT which indicates (pages 21 and 22) that US Route 9 in Philipstown is an access highway, where 53-foot trailers are permitted to be used (pages 1 and 3).

**OFFICIAL DESCRIPTION
OF DESIGNATED
QUALIFYING AND ACCESS
HIGHWAYS
IN
NEW YORK STATE**

August 2019



Office of Traffic Safety & Mobility
50 Wolf Road, POD 53
Albany, New York
12232

TABLE OF CONTENTS

INTRODUCTION.....	1
53' TRAILER ROUTES IN NEW YORK CITY.....	4
2015 NYC LAW EXPANDING 53' TRAILER ROUTES IN NYC.....	5
COUNTIES AND REGIONAL OFFICES.....	6
COMMUNICATION DIRECTORY.....	7
DEFINITIONS.....	8
ADDITIONAL RELEVANT INFORMATION.....	8
RESTRICTION CODES.....	10
NATIONAL NETWORK (i.e. QUALIFYING HIGHWAYS).....	12
QUALIFYING & ACCESS HIGHWAYS - INTERSTATE ROUTES.....	18
QUALIFYING & ACCESS HIGHWAYS - U.S. HIGHWAY ROUTES.....	21
QUALIFYING & ACCESS HIGHWAYS - NY STATE HIGHWAY ROUTES.....	26
ACCESS HIGHWAYS – COUNTY HIGHWAY ROUTES.....	66
ACCESS HIGHWAYS UN-NUMBERED COUNTY HIGHWAYS.....	90
ACCESS HIGHWAYS - LOCAL HIGHWAYS (CITY, TOWN, OR VILLAGE).....	92
A.....	92
B.....	95
C.....	100
D.....	106
E.....	108
F.....	112
G.....	115
H.....	118
I.....	121
J.....	122
K.....	123
L.....	125
M.....	128
N.....	133
O.....	136
P.....	139
Q.....	143
R.....	144
S.....	147
T.....	154
U.....	157
V.....	158
W.....	159
X.....	164
Y.....	165
Z.....	166
NUMBERED STREETS.....	167

INTRODUCTION

This book lists Qualifying (National Network) and Access Highways designated for use by Special Dimension Vehicles in New York as of August 1, 2019. The chart on page 2 details the type of vehicles allowed on the Designated System. These vehicles, or vehicle combinations, were initially authorized by the 1982 Federal Surface Transportation Assistance Act and subsequent state legislation, including the 1990 Omnibus Truck Safety Bill. They do not include longer combination vehicles (LCV's) such as triple 28 foot and twin 48 foot trailer combinations. While 48 foot tandem combinations are currently allowed in New York, they are restricted to the New York State Thruway System and some immediately adjacent highways listed in § 385(16) of the New York Vehicle & Traffic Law. Unless otherwise specified, the listed routes may be used by all Special Dimension Vehicles.

Special Dimension Vehicles (SDVs) may also operate on all highways within one road mile of Qualifying Highways (National Network) using the most reasonable and practicable route available, except for specific safety reasons on individual routes. The National Network consist of all Interstates plus specifically designated other highways.

Under the 1990 Omnibus Truck Safety Bill, New York authorized the use of 53 foot trailer combinations effective November 1990. Per § 385(3)(e) of the Vehicle & Traffic Law, the 53 foot trailer combinations are restricted to the Qualifying and Access Highway system. Because New York City felt that 53 foot trailers would be unable to maneuver effectively on City streets, a provision was included in the legislation that prohibited the vehicles within the City. However, in order to provide service to Long Island, one specific route corridor consisting of the following interstate highways was approved for travel to Long Island. The New York City interstate routes approved for 53 foot trailers (see map on page 3) are as follows:

I 95 - from Bronx-Westchester County line to I 695
I 695 - from I 95 to I 295
I 295 - from I 695 to I 495 via Throgs Neck Bridge
I 495 - from I 295 to Queens-Nassau County line

Revised 4/1/15: New 53' Routes in NYC

Effective March 5, 2015, NYC added two additional routes to be utilized by 53' trailers within NYC (see page 4 for a description and map). Section 4-15 of Title 34 of the Rules of the City of New York was amended to allow 53' trailers on the following routes in NYC:

I 95 - from the New Jersey State Line on the upper level of the George Washington Bridge to I 695
I 678 - from I 95 to John F. Kennedy International Airport

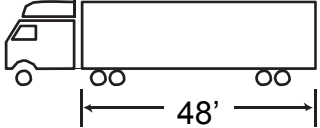
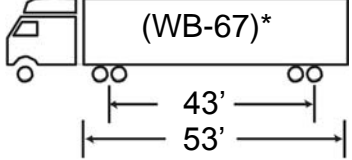
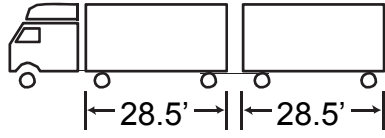
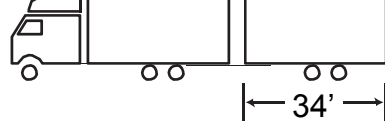

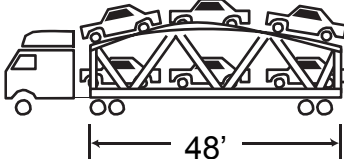
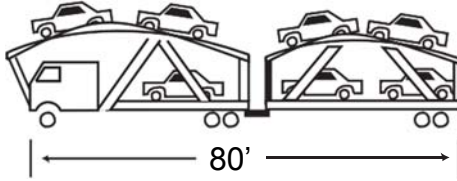
**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
TRUCK ACCESS ON NEW YORK HIGHWAYS**

ALLOWABLE WIDTHS

102" ALL QUALIFYING AND ACCESS HIGHWAYS; OTHER HIGHWAYS WITH 10 FT. LANES. (EXCLUDES NYC)

96" HIGHWAYS WITH LESS THAN 10 FT. LANES; WHERE SPECIFICALLY DESIGNATED; NYC

ALLOWABLE LENGTHS

	QUALIFYING	ACCESS	OTHER	
SEMI-TRAILER WITH CAB	48' *	48' *	48' 65'	
SEMI-TRAILER WITH 43' KINGPIN WITH CAB	53' (A) *	53' *	NA NA	
TANDEM TRAILER WITH CAB	28.5' *	28.5' *	28.5' 65' (C)	
MAXI-CUBE	65'	65'	65'	
TRIPLE SADDLE MOUNT	*	*	97'	
AUTO CARRIER CONVENTIONAL	* (B)	* (B)	65' (B)	
STINGER-STEERED	80' (B)	80' (B)	65' (B)	

*UNLIMITED LENGTH NA – NOT ALLOWED
NOTE: (A) IN NYC, PERMITTED ONLY ON SPECIFICALLY DESIGNATED INTERSTATES
(B) EXCLUDING PERMITTED OVERHANG 4' FRONT AND 6' REAR
(C) EXCLUDING NEW YORK CITY, NASSAU COUNTY, AND SUFFOLK COUNTY

* This text added by Kimley-Horn.
WB-67 vehicles pull 53' trailers.

DEFINITIONS

Qualifying Highway - A highway designated as part of the Surface Transportation Assistance Act (STAA) of 1982 which allows STAA vehicles (tractor trailers combinations greater than 65 feet, tractor with 28 foot tandem trailers, maxi-cubes, triple saddle mounts, stinger-steered auto carriers and boat transporters) and 53' trailers to use that highway and any other highway within one linear mile of the Qualifying highway.

National Network Highway - Same as Qualifying Highway

Access Highway - A highway designated for use by STAA vehicles and 53' trailers. Unlike a Qualifying Highway, these vehicle combinations may not travel off the access highway for any distance.

ADDITIONAL RELEVANT INFORMATION

Boat Transporter - Vehicle & Traffic Law Sections

§ 101-b: Boat transporter. Any vehicle combination designed and used specifically for the transport of boats.

§ 127: Overhang. That portion of a transported vehicle or boat which extends beyond the front or rear bumper of an automobile transporter or stinger-steered automobile transporter or boat transporter or stinger-steered boat transporter.

§ 145-f: Stinger-steered boat transporter. A boat transporter configured as a semitrailer combination wherein the fifth wheel is located on a drop frame located behind and below the rear-most axle of the power unit.

§ 385-4-b-6: Stinger-steered automobile transporters or stinger-steered boat transporters, while operating on qualifying and access highways. Such vehicles shall not, however, exceed seventy-five feet exclusive of an overhang of not more than three feet on the front and four feet on the rear of the vehicle.

§ 385-4-c: Notwithstanding the provisions of paragraph (a) of this subdivision, an overhang of not more than three feet on the front and four feet on the rear of an automobile transporter or stinger-steered automobile transporter or a boat transporter or stinger-steered boat transporter shall be permitted.

Kingpin Distance - Vehicle and Traffic Law Section

§ 385(3)(e): Except in any city not wholly included within one county, any semitrailer with a length in excess of forty-eight feet, but not exceeding fifty-three feet, may be operated on any qualifying highway or specifically designated access highway if the distance between the kingpin of the semitrailer and the centerline of the rear axle does not exceed forty-three feet and if the semitrailer is equipped with a rear-end protective device of substantial construction consisting of a continuous lateral beam extending to within four inches of the lateral extremities of the semitrailer and located not more than twenty-two inches from the surface as measured with the vehicle empty and on a level surface. In addition, such vehicles may be operated on that portion of interstate ninety-five which connects interstate two hundred eighty-seven with interstate two hundred ninety-five, that portion of interstate two hundred ninety-five which

**HIGHWAYS DESIGNATED AS QUALIFYING OR ACCESS HIGHWAYS
FOR LARGER DIMENSION VEHICLES**

**SOURCES: 17 NYCRR PART 8000
17 NYCRR PART 8100**

QUALIFYING & ACCESS HIGHWAYS - U.S. HIGHWAY ROUTES

Note: Unless a highway description contains the term [QUALIFYING HIGHWAY], then it is only an Access Highway.

- US 1 I 95 (Exit 15) to the New York City-Village of Pelham Manor line in the City of New Rochelle and the Village of Pelham Manor. (WESTCHESTER)
- US 2 US 11 to the New York-Vermont State line (0.9 miles) in the Town of Champlain and the Village of Rouses Point. (CLINTON)
- US 4 New York-Vermont State line to NY 197 in the Towns of Hampton, Whitehall, Fort Ann, Kingsbury and Fort Edward, and the Villages of Whitehall, Fort Ann, Hudson Falls and Fort Edward. (WASHINGTON)
- (US 4/NY 29 overlap) - NY 29 to NY 29 in the Town of Saratoga and the Village of Schuylerville. (SARATOGA)
- (US 4/NY 32 overlap) - Northern Town of Stillwater-Village of Stillwater line to NY 2 (Broad Street) in the City of Mechanicville, the Towns of Stillwater, Halfmoon and Waterford, and the Villages of Stillwater and Waterford. (SARATOGA)
- (Mill Street, Vandenburg Avenue and North Greenbush Road) - NY 378 (Burden Avenue) to NY 136 (Williams Road) in the City of Troy and Town of North Greenbush. (RENSSELAER)
- (North Greenbush Road and Troy Road) - NY 43 to I 90 in the Towns of North Greenbush and East Greenbush. (RENSSELAER)
- US 6 US 209 overlap (Pike Street and East Main Street) - New York-Pennsylvania State line at Pike Street to I 84 (Exit 1 westbound on-ramp) (1.6 ± miles) in the City of Port Jervis and Town of Deer Park. (ORANGE)
- CR 55 (Smith Corners-New Jersey State Line Road) and CR 35 (Mountain Road) to junction of CR 12 (Lower Road) in the Towns of Greenville and Wawayanda. (ORANGE)
- US 9 to NY 312 in the City of Peekskill, Towns of Cortlandt, Yorktown, Somers, Carmel and Southeast. (WESTCHESTER and PUTNAM)
- US 9** U.S.-Canadian Border to southern City line of the City of Plattsburgh (a distance of 21.0 miles) in the City of Plattsburgh, the Towns of Champlain, Chazy, Beekmantown and Plattsburgh, and the Village of Champlain. (CLINTON)

NY 9N to I 87 (Exit 33) in the Towns of Chesterfield and the Village of Keesville. (ESSEX)

NY 73 to NY 910K (Blue Ridge Road) in the Towns of Elizabethtown and North Hudson. (ESSEX)

NY 74 to I 87 (Exit 27) in the Town of Schroon. (ESSEX)

Natural Stone Bridge Road to Valley Farm Road in the Town of Chester. (WARREN)

NY 28 to I 87 (Exit 23) Diamond Point Road in the Town of Warrensburg. (WARREN)

NY 149 to a point 0.6 miles south of NY 254 in the Town of Queensbury. (WARREN)

Mohican Street to I 87 (Exit 17) in the City of Glens Falls, the Town of Moreau, and the Village of South Glens Falls. (WARREN and SARATOGA)

Junction of Marion Avenue/US 9/NY 50 to Van Dam Street in the City of Saratoga Springs. (SARATOGA)

Adelphi Street to I 87 (Exit 13) in the City of Saratoga Springs and the Town of Malta. (SARATOGA)

(US 9/NY 67 overlap) - Northern junction of US 9 & NY 67 to the southern junction of US 9 & NY 67 in the Town of Malta. (SARATOGA)

Northway Reefer & Truck Outfitters, Inc. terminal to NY 911T (Ushers Road) (1.2 ± miles) in the Town of Clifton Park. (SARATOGA)

(Halfmoon Parkway and Loudon Road) - NY 146 to NY 7 in the Towns of Halfmoon and Colonie. (SARATOGA and ALBANY)

(Columbia Turnpike) - I 787 to the junction of US 9/US 20 (Schodack) in the Cities of Albany and Rensselaer, and the Towns of East Greenbush and Schodack. (ALBANY and RENSSELAER)

Junction of US 9/US 20 (Schodack) to NY 9H in the Towns of Schodack and Kinderhook. (RENSSELAER and COLUMBIA)

US Rt 9 Continued, Access Highway from Healy Blvd in Hudson to I-87/287 in Tarrytown, Including through Philipstown.

Healy Boulevard (Hudson) to the I 87/I 287 (Exit 9) in the Cities of Hudson, Poughkeepsie and Peekskill, Towns of Greenport, Livingston, Clermont, Red Hook, Rhinebeck, Hyde Park, Poughkeepsie, Wappinger, Fishkill, Philipstown, Cortlandt, Ossining, Mount Pleasant and Greenburgh, and the Villages of Red Hook, Rhinebeck, Wappingers Falls, Fishkill, Croton-on-Hudson, Briarcliff Manor, Sleepy Hollow and Tarrytown. (COLUMBIA, DUTCHESS, PUTNAM and WESTCHESTER)

Trip Generation, Land Use Code 150: Warehousing

Figure 1

For the AM hour, shows how 30 employees are projected up onto the curve and then projects across to the Trips axis indicating that 21 trips will travel to or from the new warehouse, as was shown in Table 1 above .

Warehousing (150)

Vehicle Trip Ends vs: **Employees**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 14
Avg. Num. of Employees: 53
Directional Distribution: 72% entering, 28% exiting

Vehicle Trip Generation per Employee

Average Rate	Range of Rates	Standard Deviation
0.61	0.33 - 2.00	0.23

Data Plot and Equation

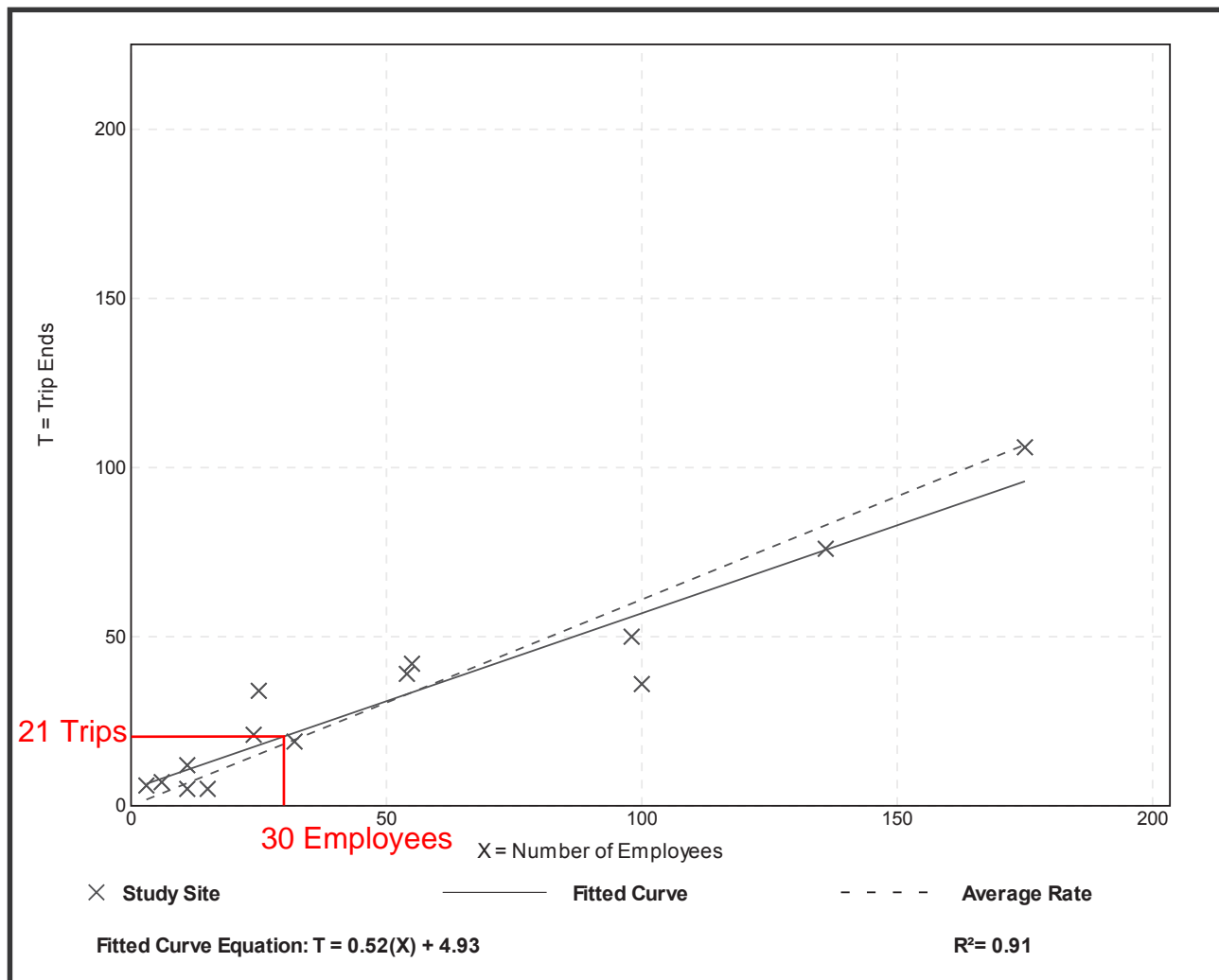


Figure 2
For the PM hour, shows how 30 employees are projected up onto the curve and then projects across to the Trips axis indicating that 20 trips will travel to or from the new warehouse, as was shown in Table 2 above .

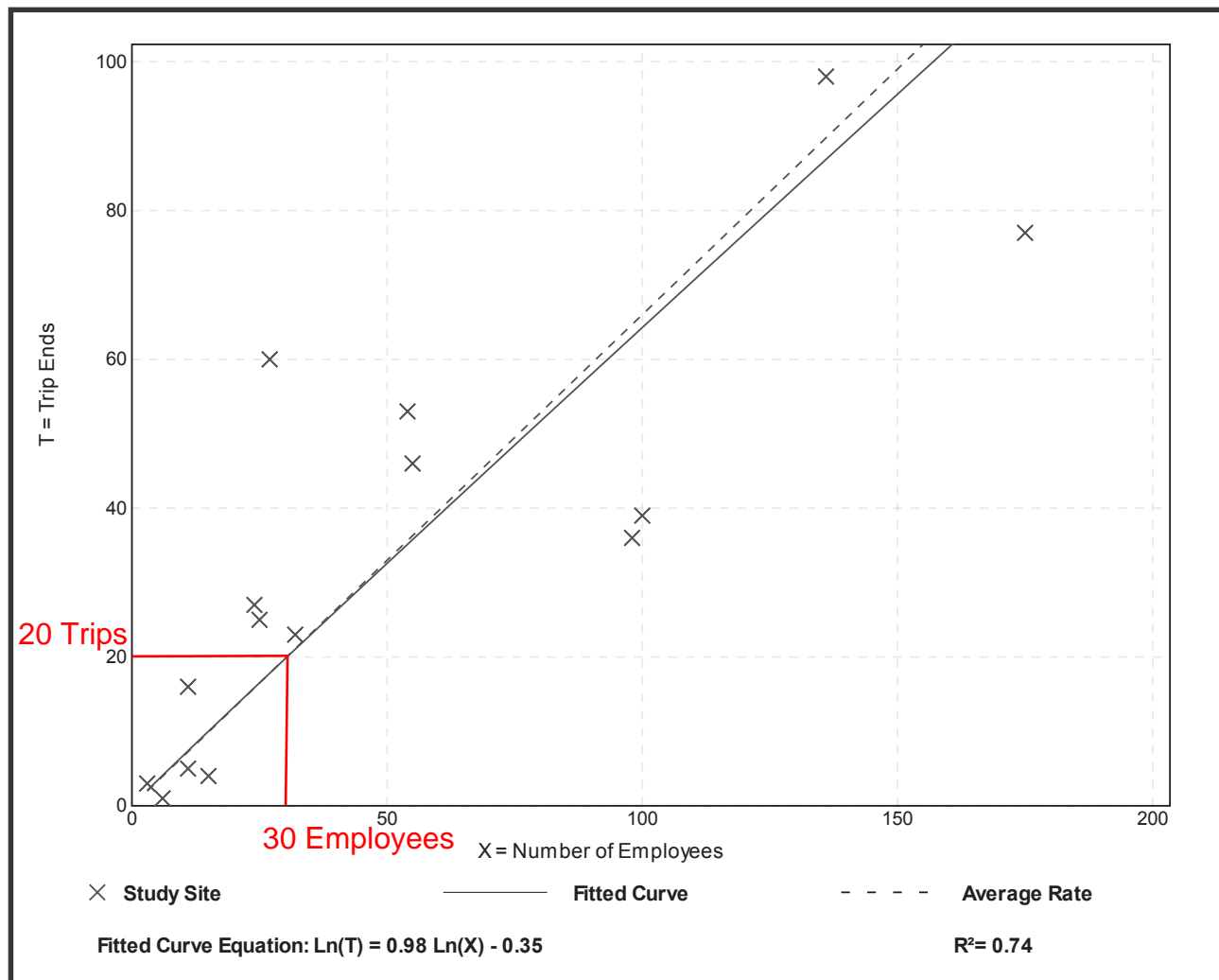
Warehousing (150)

Vehicle Trip Ends vs: Employees
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
 Number of Studies: 15
 Avg. Num. of Employees: 51
 Directional Distribution: 36% entering, 65% exiting

Vehicle Trip Generation per Employee

Average Rate	Range of Rates	Standard Deviation
0.66	0.17 - 2.22	0.40

Data Plot and Equation



Automatic Traffic Recorder (ATR) Study on US 9

Volume and Speed Data

**ATR Traffic Volume Data -
Automatic Traffic Recorder
Data for US Route 9 just north
of First Street indicating hourly
traffic volumes by direction.**

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

Start Time	27-Jul-20		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	63	16	84	29	78	26	72	35	*	*	74	26
01:00	*	*	*	*	40	34	21	25	29	31	33	33	*	*	31	31
02:00	*	*	*	*	21	25	18	18	14	24	29	12	*	*	20	20
03:00	*	*	*	*	30	42	15	37	18	50	23	26	*	*	22	39
04:00	*	*	*	*	28	103	42	110	37	105	15	54	*	*	30	93
05:00	*	*	*	*	111	323	107	330	97	304	61	115	*	*	94	268
06:00	*	*	*	*	237	664	245	639	228	577	137	248	*	*	212	532
07:00	*	*	*	*	343	657	350	655	345	630	237	245	*	*	319	547
08:00	*	*	*	*	368	496	346	500	365	446	277	224	*	*	339	416
09:00	*	*	*	*	261	372	275	321	330	358	312	259	*	*	294	328
10:00	*	*	*	*	302	351	327	317	373	326	357	291	*	*	340	321
11:00	*	*	143	137	353	304	381	287	395	338	438	300	*	*	342	273
12:00 PM	*	*	373	316	393	351	387	359	450	390	470	338	*	*	415	351
01:00	*	*	370	326	353	326	380	353	438	356	474	416	*	*	403	344
02:00	*	*	482	363	514	366	494	359	579	360	435	400	*	*	501	370
03:00	*	*	723	353	686	372	676	366	707	392	469	390	*	*	652	375
04:00	*	*	788	390	766	439	784	422	767	466	400	413	*	*	701	426
05:00	*	*	596	360	690	384	651	365	649	424	356	366	*	*	588	380
06:00	*	*	427	282	424	301	510	272	467	347	*	*	*	*	457	300
07:00	*	*	280	175	283	210	275	198	347	232	*	*	*	*	296	204
08:00	*	*	177	171	223	159	232	172	244	188	*	*	*	*	219	172
09:00	*	*	154	134	148	137	150	137	188	167	*	*	*	*	160	144
10:00	*	*	103	97	113	108	91	118	119	110	*	*	*	*	106	108
11:00	*	*	107	64	119	81	100	52	120	81	*	*	*	*	112	70
Lane Day	0	0	4723	3168	6869	6562	6941	6441	7384	6728	4595	4165	0	0	6727	6138
AM Peak	-	-	11:00	11:00	08:00	06:00	11:00	07:00	11:00	07:00	11:00	11:00	-	-	11:00	07:00
Vol.	-	-	143	137	368	664	381	655	395	630	438	300	-	-	342	547
PM Peak	-	-	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	13:00	13:00	-	-	16:00	16:00
Vol.	-	-	788	390	766	439	784	422	767	466	474	416	-	-	701	426

Comb. Total	0	7891	13431	13382	14112	8760	0	12865
ADT	ADT 13,642	AADT 13,642						

**ATR Speed Data -
Automatic Traffic Recorder Data
for US Route 9 just north of First
Street indicating Speeds in the
Northbound direction. Percentile
Speeds provided on Page 5**

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
07/28/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	1	1	0	8	16	54	48	11	3	1	0	0	0	143	41-50	102
12 PM	0	3	0	0	3	29	104	147	70	15	2	0	0	0	373	41-50	251
13:00	0	3	7	1	8	31	113	125	71	10	1	0	0	0	370	41-50	238
14:00	0	2	5	1	3	18	161	193	90	8	1	0	0	0	482	41-50	354
15:00	0	4	16	13	21	92	178	283	104	11	1	0	0	0	723	41-50	461
16:00	0	0	3	8	14	54	239	362	97	11	0	0	0	0	788	41-50	601
17:00	0	1	4	0	5	40	149	269	112	14	2	0	0	0	596	41-50	418
18:00	0	5	2	0	1	30	90	166	118	14	0	1	0	0	427	46-55	284
19:00	0	0	0	0	1	7	48	123	80	18	3	0	0	0	280	46-55	203
20:00	0	0	1	0	1	6	22	95	44	6	2	0	0	0	177	46-55	139
21:00	0	0	1	0	0	8	34	68	36	7	0	0	0	0	154	46-55	104
22:00	0	0	1	0	2	7	23	36	26	8	0	0	0	0	103	46-55	62
23:00	0	1	0	0	0	3	12	38	39	11	2	1	0	0	107	46-55	77
Total	0	20	41	23	67	341	1227	1953	898	136	15	2	0	0	4723		
Percent	0.0%	0.4%	0.9%	0.5%	1.4%	7.2%	26.0%	41.4%	19.0%	2.9%	0.3%	0.0%	0.0%	0.0%			
AM Peak		11:00	11:00		11:00	11:00	11:00	11:00	11:00	11:00	11:00				11:00		
Vol.		1	1		8	16	54	48	11	3	1				143		
PM Peak		18:00	15:00	15:00	15:00	15:00	16:00	16:00	18:00	19:00	19:00	18:00			16:00		
Vol.		5	16	13	21	92	239	362	118	18	3	1			788		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
07/29/20	0	0	1	0	1	1	5	27	18	9	1	0	0	0	63	46-55	45
01:00	0	0	0	0	1	6	9	11	10	3	0	0	0	0	40	46-55	21
02:00	0	0	0	0	0	1	5	10	5	0	0	0	0	0	21	41-50	15
03:00	0	0	0	0	2	2	2	7	15	1	1	0	0	0	30	46-55	22
04:00	0	2	0	0	1	1	0	10	13	0	1	0	0	0	28	46-55	23
05:00	0	1	0	0	0	0	13	41	37	16	2	1	0	0	111	46-55	78
06:00	0	1	0	0	0	5	22	83	89	31	6	0	0	0	237	46-55	172
07:00	0	1	3	1	3	7	62	132	104	27	2	1	0	0	343	46-55	236
08:00	0	7	2	0	3	18	83	157	77	19	2	0	0	0	368	41-50	240
09:00	0	4	3	0	2	14	88	108	39	3	0	0	0	0	261	41-50	196
10:00	1	3	3	1	4	31	78	128	47	5	1	0	0	0	302	41-50	206
11:00	0	2	3	4	9	24	97	156	48	9	1	0	0	0	353	41-50	253
12 PM	0	3	7	2	9	13	138	164	53	4	0	0	0	0	393	41-50	302
13:00	3	6	9	5	27	74	103	80	42	4	0	0	0	0	353	41-50	183
14:00	0	2	4	5	11	43	116	220	93	18	2	0	0	0	514	41-50	336
15:00	0	1	6	2	17	67	197	256	124	16	0	0	0	0	686	41-50	453
16:00	17	32	28	11	30	70	218	250	93	14	2	1	0	0	766	41-50	468
17:00	0	4	3	0	5	55	227	260	120	16	0	0	0	0	690	41-50	487
18:00	0	1	3	0	1	16	94	210	84	15	0	0	0	0	424	41-50	304
19:00	0	2	2	2	1	9	57	142	58	7	2	1	0	0	283	46-55	200
20:00	1	0	1	0	4	11	52	93	50	11	0	0	0	0	223	41-50	145
21:00	0	0	1	0	0	13	34	61	31	8	0	0	0	0	148	41-50	95
22:00	0	0	0	0	0	6	28	42	24	10	2	0	1	0	113	41-50	70
23:00	0	0	0	0	0	1	17	42	44	11	4	0	0	0	119	46-55	86
Total	22	72	79	33	131	488	1745	2690	1318	257	29	4	1	0	6869		
Percent	0.3%	1.0%	1.2%	0.5%	1.9%	7.1%	25.4%	39.2%	19.2%	3.7%	0.4%	0.1%	0.0%	0.0%			
AM Peak	10:00	08:00	07:00	11:00	11:00	10:00	11:00	08:00	07:00	06:00	06:00	05:00			08:00		
Vol.	1	7	3	4	9	31	97	157	104	31	6	1			368		
PM Peak	16:00	16:00	16:00	16:00	16:00	13:00	17:00	17:00	15:00	14:00	23:00	16:00	22:00		16:00		
Vol.	17	32	28	11	30	74	227	260	124	18	4	1	1		766		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
07/30/20	0	0	0	0	0	2	11	33	27	7	3	1	0	0	84	46-55	60
01:00	0	0	1	0	1	0	6	7	5	1	0	0	0	0	21	41-50	13
02:00	0	0	0	0	0	1	4	3	6	4	0	0	0	0	18	51-60	10
03:00	0	0	0	0	0	0	2	5	6	1	1	0	0	0	15	46-55	11
04:00	0	2	0	0	0	3	6	13	16	1	1	0	0	0	42	46-55	29
05:00	0	0	0	0	0	0	15	39	32	20	1	0	0	0	107	46-55	71
06:00	0	1	1	0	2	9	32	91	80	27	2	0	0	0	245	46-55	171
07:00	0	0	6	0	3	20	44	155	103	15	4	0	0	0	350	46-55	258
08:00	0	0	5	0	5	14	77	164	69	12	0	0	0	0	346	41-50	241
09:00	0	5	6	2	3	23	57	121	51	5	2	0	0	0	275	41-50	178
10:00	0	4	2	0	5	26	102	133	46	9	0	0	0	0	327	41-50	235
11:00	0	1	6	0	6	24	141	139	56	6	2	0	0	0	381	41-50	280
12 PM	0	4	3	1	4	31	97	200	39	8	0	0	0	0	387	41-50	297
13:00	0	3	2	0	8	34	122	156	45	10	0	0	0	0	380	41-50	278
14:00	0	3	4	0	4	43	147	190	84	18	1	0	0	0	494	41-50	337
15:00	0	1	5	6	47	127	230	190	61	8	1	0	0	0	676	41-50	420
16:00	11	37	22	26	51	64	216	252	88	14	3	0	0	0	784	41-50	468
17:00	0	1	1	0	3	64	147	301	119	14	1	0	0	0	651	41-50	448
18:00	0	2	3	0	1	19	148	235	83	18	1	0	0	0	510	41-50	383
19:00	0	0	3	1	2	5	58	142	49	14	1	0	0	0	275	41-50	200
20:00	0	0	0	0	0	5	49	103	64	9	2	0	0	0	232	46-55	167
21:00	0	0	1	0	1	2	25	82	27	11	1	0	0	0	150	46-55	109
22:00	0	0	0	0	0	6	16	38	23	6	2	0	0	0	91	46-55	61
23:00	0	0	0	0	0	3	10	32	38	10	7	0	0	0	100	46-55	70
Total	11	64	71	36	146	525	1762	2824	1217	248	36	1	0	0	6941		
Percent	0.2%	0.9%	1.0%	0.5%	2.1%	7.6%	25.4%	40.7%	17.5%	3.6%	0.5%	0.0%	0.0%	0.0%			
AM Peak		09:00	07:00	09:00	11:00	10:00	11:00	08:00	07:00	06:00	07:00	00:00			11:00		
Vol.		5	6	2	6	26	141	164	103	27	4	1			381		
PM Peak	16:00	16:00	16:00	16:00	16:00	15:00	15:00	17:00	17:00	14:00	23:00				16:00		
Vol.	11	37	22	26	51	127	230	301	119	18	7				784		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	16:20	21:25	26:30	31:35	36:40	41:45	46:50	51:55	56:60	61:65	66:70	71:75	76:999	Total	Pace Speed	Number in Pace
07/31/20	0	0	0	0	0	5	19	25	21	8	0	0	0	0	78	46-55	46
01:00	0	0	0	0	0	1	6	17	4	1	0	0	0	0	29	41-50	23
02:00	0	0	0	0	0	1	2	2	7	0	1	1	0	0	14	46-55	9
03:00	0	0	0	0	0	1	6	4	6	1	0	0	0	0	18	41-50	10
04:00	0	0	0	0	0	1	7	24	4	1	0	0	0	0	37	41-50	31
05:00	0	0	0	0	1	3	15	43	25	7	3	0	0	0	97	46-55	68
06:00	0	2	3	0	0	5	22	88	90	15	3	0	0	0	228	46-55	178
07:00	0	1	3	1	6	20	82	135	79	16	2	0	0	0	345	41-50	217
08:00	0	2	8	1	9	57	121	117	44	6	0	0	0	0	365	41-50	238
09:00	0	3	1	0	6	19	94	155	47	3	2	0	0	0	330	41-50	249
10:00	0	3	7	2	5	38	141	122	48	7	0	0	0	0	373	41-50	263
11:00	0	4	5	0	6	36	134	145	54	8	2	1	0	0	395	41-50	279
12 PM	0	5	5	1	7	37	130	193	67	5	0	0	0	0	450	41-50	323
13:00	0	1	6	0	2	33	120	197	70	9	0	0	0	0	438	41-50	317
14:00	0	4	1	0	6	55	181	236	79	14	3	0	0	0	579	41-50	417
15:00	0	6	5	12	28	72	156	283	134	10	1	0	0	0	707	41-50	439
16:00	1	6	11	4	29	105	271	235	99	6	0	0	0	0	767	41-50	506
17:00	0	1	4	1	3	47	184	278	121	8	2	0	0	0	649	41-50	462
18:00	0	0	5	0	2	20	102	191	129	16	2	0	0	0	467	46-55	320
19:00	0	0	3	0	8	18	74	148	77	17	2	0	0	0	347	46-55	225
20:00	0	3	2	1	1	7	47	105	67	10	1	0	0	0	244	46-55	172
21:00	0	0	1	0	1	6	49	73	53	4	1	0	0	0	188	46-55	126
22:00	0	1	0	0	0	5	18	48	41	5	0	1	0	0	119	46-55	89
23:00	0	0	1	0	0	2	21	40	37	16	3	0	0	0	120	46-55	77
Total	1	42	71	23	120	594	2002	2904	1403	193	28	3	0	0	7384		
Percent	0.0%	0.6%	1.0%	0.3%	1.6%	8.0%	27.1%	39.3%	19.0%	2.6%	0.4%	0.0%	0.0%	0.0%			
AM Peak		11:00	08:00	10:00	08:00	08:00	10:00	09:00	06:00	07:00	05:00	02:00			11:00		
Vol.		4	8	2	9	57	141	155	90	16	3	1			395		
PM Peak	16:00	15:00	16:00	15:00	16:00	16:00	16:00	15:00	15:00	19:00	14:00	22:00			16:00		
Vol.	1	6	11	12	29	105	271	283	134	17	3	1			767		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
08/01/20	0	0	0	0	0	1	9	31	19	10	1	0	1	0	72	46-55	50
01:00	0	0	0	0	0	0	11	10	8	2	2	0	0	0	33	41-50	21
02:00	0	0	0	0	0	2	3	13	9	2	0	0	0	0	29	46-55	22
03:00	0	0	0	0	0	0	3	11	8	1	0	0	0	0	23	46-55	19
04:00	0	0	1	0	0	0	2	5	4	3	0	0	0	0	15	45-54	9
05:00	0	1	0	0	0	0	4	22	21	11	2	0	0	0	61	46-55	43
06:00	0	0	0	0	1	2	12	42	54	23	3	0	0	0	137	46-55	96
07:00	0	2	2	0	1	2	38	100	70	18	4	0	0	0	237	46-55	170
08:00	0	0	2	0	0	2	40	144	72	15	2	0	0	0	277	46-55	216
09:00	0	5	4	3	5	10	98	123	53	10	0	1	0	0	312	41-50	221
10:00	0	4	3	0	3	17	100	173	46	6	1	3	1	0	357	41-50	273
11:00	0	3	6	1	4	32	115	185	84	6	1	1	0	0	438	41-50	300
12 PM	0	1	4	0	2	31	151	206	67	7	0	1	0	0	470	41-50	357
13:00	0	3	5	0	4	55	145	199	61	2	0	0	0	0	474	41-50	344
14:00	0	2	1	1	5	29	112	172	103	9	1	0	0	0	435	41-50	284
15:00	0	1	1	0	8	40	124	199	82	13	1	0	0	0	469	41-50	323
16:00	0	0	2	1	6	20	71	190	89	21	0	0	0	0	400	46-55	279
17:00	0	1	3	0	4	21	81	164	68	13	1	0	0	0	356	41-50	245
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	23	34	6	43	264	1119	1989	918	172	19	6	2	0	4595		
Percent	0.0%	0.5%	0.7%	0.1%	0.9%	5.7%	24.4%	43.3%	20.0%	3.7%	0.4%	0.1%	0.0%	0.0%			
AM Peak		09:00	11:00	09:00	09:00	11:00	11:00	11:00	11:00	06:00	07:00	10:00	00:00		11:00		
Vol.		5	6	3	5	32	115	185	84	23	4	3	1		438		
PM Peak		13:00	13:00	14:00	15:00	13:00	12:00	12:00	14:00	16:00	14:00	12:00			13:00		
Vol.		3	5	1	8	55	151	206	103	21	1	1			474		
Total	34	221	296	121	507	2212	7855	12360	5754	1006	127	16	3	0	30512		
Percent	0.1%	0.7%	1.0%	0.4%	1.7%	7.2%	25.7%	40.5%	18.9%	3.3%	0.4%	0.1%	0.0%	0.0%			

15th Percentile : 40 MPH
 50th Percentile : 46 MPH
85th Percentile : 52 MPH
 95th Percentile : 54 MPH

**85th and 95th Percentile Speeds
(90th percentile is approximately 53.5 mph)**

Stats
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 20215
 Percent in Pace : 66.3%
 Number of Vehicles > 55 MPH : 1152
 Percent of Vehicles > 55 MPH : 3.8%
 Mean Speed(Average) : 47 MPH

**ATR Speed Data -
Automatic Traffic Recorder Data for
US Route 9 just north of First Street
indicating Speeds in the Southbound
direction. Percentile Speeds
provided on Page 10**

TRAFFIC DATABANK LLC
716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
07/28/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	1	2	7	28	20	47	26	3	2	1	0	0	0	137	41-50	73
12 PM	0	0	4	10	29	52	127	79	15	0	0	0	0	0	316	41-50	206
13:00	0	2	3	6	28	65	143	66	12	1	0	0	0	0	326	39-48	209
14:00	1	2	3	3	29	79	128	104	13	1	0	0	0	0	363	41-50	232
15:00	0	3	4	12	36	70	132	70	23	3	0	0	0	0	353	36-45	202
16:00	0	1	3	2	17	73	144	114	32	3	1	0	0	0	390	41-50	258
17:00	1	1	2	3	6	49	160	112	25	1	0	0	0	0	360	41-50	272
18:00	0	2	1	1	8	26	112	107	23	2	0	0	0	0	282	41-50	219
19:00	0	0	3	2	5	8	60	59	32	5	1	0	0	0	175	41-50	119
20:00	0	0	1	0	0	17	93	49	9	2	0	0	0	0	171	41-50	142
21:00	0	0	3	0	1	18	47	43	18	3	1	0	0	0	134	41-50	90
22:00	0	0	0	0	3	3	23	43	20	5	0	0	0	0	97	41-50	66
23:00	0	0	0	0	0	2	24	14	17	5	1	1	0	0	64	41-50	38
Total	2	12	29	46	190	482	1240	886	242	33	5	1	0	0	3168		
Percent	0.1%	0.4%	0.9%	1.5%	6.0%	15.2%	39.1%	28.0%	7.6%	1.0%	0.2%	0.0%	0.0%	0.0%			
AM Peak		11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00				11:00		
Vol.		1	2	7	28	20	47	26	3	2	1				137		
PM Peak	14:00	15:00	12:00	15:00	15:00	14:00	17:00	16:00	16:00	19:00	16:00	23:00			16:00		
Vol.	1	3	4	12	36	79	160	114	32	5	1	1			390		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
07/29/20	0	0	1	0	1	1	3	4	5	1	0	0	0	0	16	45-54	9
01:00	0	0	0	2	1	4	8	6	12	1	0	0	0	0	34	46-55	18
02:00	0	0	0	0	0	1	2	10	10	2	0	0	0	0	25	46-55	20
03:00	0	0	0	0	0	0	1	15	23	3	0	0	0	0	42	46-55	38
04:00	0	0	0	0	0	0	8	26	38	30	0	1	0	0	103	51-60	68
05:00	0	0	1	0	1	16	48	127	97	25	6	2	0	0	323	46-55	224
06:00	0	0	2	1	19	70	198	304	65	4	1	0	0	0	664	41-50	502
07:00	0	2	1	13	57	121	228	180	38	13	4	0	0	0	657	41-50	408
08:00	0	1	2	10	37	109	186	129	21	1	0	0	0	0	496	41-50	315
09:00	0	0	4	4	22	81	132	109	19	1	0	0	0	0	372	41-50	241
10:00	2	3	5	4	8	84	132	97	12	4	0	0	0	0	351	41-50	229
11:00	0	1	6	18	24	58	119	61	17	0	0	0	0	0	304	41-50	180
12 PM	0	1	7	9	45	85	132	60	12	0	0	0	0	0	351	36-45	217
13:00	0	1	7	13	22	86	83	48	6	1	0	0	0	0	267	36-45	169
14:00	0	1	5	8	25	62	153	92	19	1	0	0	0	0	366	41-50	245
15:00	1	1	6	7	12	63	175	84	22	1	0	0	0	0	372	41-50	259
16:00	0	3	9	10	29	79	190	105	13	1	0	0	0	0	439	41-50	295
17:00	0	0	3	0	28	69	153	110	20	1	0	0	0	0	384	41-50	263
18:00	0	1	4	4	6	38	125	100	21	2	0	0	0	0	301	41-50	225
19:00	0	1	2	0	1	8	111	69	15	3	0	0	0	0	210	41-50	180
20:00	0	1	5	0	1	26	82	35	8	0	1	0	0	0	159	41-50	117
21:00	0	0	0	0	0	18	53	47	16	2	1	0	0	0	137	41-50	100
22:00	0	0	1	1	0	9	24	41	26	4	2	0	0	0	108	45-54	67
23:00	0	0	0	0	0	4	17	28	22	8	2	0	0	0	81	46-55	50
Total	3	17	71	104	339	1092	2363	1887	557	109	17	3	0	0	6562		
Percent	0.0%	0.3%	1.1%	1.6%	5.2%	16.6%	36.0%	28.8%	8.5%	1.7%	0.3%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	11:00	07:00	07:00	07:00	06:00	05:00	04:00	05:00	05:00			06:00		
Vol.	2	3	6	18	57	121	228	304	97	30	6	2			664		
PM Peak	15:00	16:00	16:00	13:00	12:00	13:00	16:00	17:00	22:00	23:00	22:00				16:00		
Vol.	1	3	9	13	45	86	190	110	26	8	2				439		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16:20	21:25	26:30	31:35	36:40	41:45	46:50	51:55	56:60	61:65	66:70	71:75	76:999	Total	Pace Speed	Number in Pace
07/30/20	0	0	1	0	0	3	6	9	7	2	0	1	0	0	29	44-53	16
01:00	0	0	0	0	1	1	2	7	11	3	0	0	0	0	25	46-55	18
02:00	0	0	0	0	0	0	1	8	5	4	0	0	0	0	18	46-55	13
03:00	0	0	0	0	0	0	2	16	15	4	0	0	0	0	37	46-55	31
04:00	0	0	0	0	0	0	7	33	49	19	2	0	0	0	110	46-55	82
05:00	0	0	0	0	3	25	54	107	110	27	4	0	0	0	330	46-55	217
06:00	0	0	0	4	40	80	182	249	76	8	0	0	0	0	639	41-50	431
07:00	0	4	5	6	42	161	210	173	50	3	0	0	1	0	655	41-50	383
08:00	0	0	1	0	41	114	205	113	17	7	1	1	0	0	500	36-45	319
09:00	0	0	1	7	28	52	140	73	20	0	0	0	0	0	321	41-50	213
10:00	0	1	2	2	50	52	128	72	10	0	0	0	0	0	317	41-50	200
11:00	0	0	0	10	31	53	105	69	16	3	0	0	0	0	287	41-50	174
12 PM	3	2	3	10	31	71	142	83	14	0	0	0	0	0	359	41-50	225
13:00	0	1	4	6	22	90	142	72	13	2	1	0	0	0	353	36-45	232
14:00	0	1	0	3	14	66	151	105	15	3	1	0	0	0	359	41-50	256
15:00	0	2	5	3	33	122	121	66	12	2	0	0	0	0	366	36-45	243
16:00	0	5	7	4	23	100	190	81	12	0	0	0	0	0	422	36-45	290
17:00	0	1	1	0	4	91	161	93	14	0	0	0	0	0	365	41-50	254
18:00	0	0	2	1	15	54	113	71	12	3	0	1	0	0	272	41-50	184
19:00	0	2	2	3	4	30	81	62	12	1	0	1	0	0	198	41-50	143
20:00	0	0	3	0	2	26	71	52	17	1	0	0	0	0	172	41-50	123
21:00	0	0	0	0	0	19	59	36	22	1	0	0	0	0	137	41-50	95
22:00	0	0	1	2	1	7	32	39	29	7	0	0	0	0	118	41-50	71
23:00	0	0	0	0	0	2	11	20	16	2	1	0	0	0	52	46-55	36
Total	3	19	38	61	385	1219	2316	1709	574	102	10	4	1	0	6441		
Percent	0.0%	0.3%	0.6%	0.9%	6.0%	18.9%	36.0%	26.5%	8.9%	1.6%	0.2%	0.1%	0.0%	0.0%			
AM Peak		07:00	07:00	11:00	10:00	07:00	07:00	06:00	05:00	05:00	05:00	00:00	07:00		07:00		
Vol.		4	5	10	50	161	210	249	110	27	4	1	1		655		
PM Peak	12:00	16:00	16:00	12:00	15:00	15:00	16:00	14:00	22:00	22:00	13:00	18:00			16:00		
Vol.	3	5	7	10	33	122	190	105	29	7	1	1		422			

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total	Pace Speed	Number in Pace
07/31/20	0	0	0	0	0	0	0	0	0	2	4	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	46-55	20
01:00	0	0	0	0	0	0	0	0	3	6	16	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31	41-50	22	
02:00	0	0	0	0	0	0	0	0	0	3	6	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	24	46-55	17	
03:00	0	0	0	0	2	1	0	1	17	22	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	46-55	39	
04:00	0	0	0	0	0	0	3	5	24	58	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	46-55	82	
05:00	0	0	0	0	1	0	10	58	126	84	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	304	46-55	210	
06:00	0	1	0	3	15	93	203	189	59	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	577	41-50	392	
07:00	0	0	3	16	37	143	263	139	25	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	630	36-45	406	
08:00	0	0	1	8	29	130	179	80	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	446	36-45	309	
09:00	0	2	7	17	37	104	143	42	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	358	36-45	247	
10:00	0	0	3	9	30	72	135	71	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	326	36-45	207	
11:00	1	5	6	7	31	55	127	86	17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	41-50	213	
12 PM	0	4	7	7	38	118	142	62	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390	36-45	260	
13:00	0	0	2	2	14	52	176	93	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	356	41-50	269	
14:00	0	4	4	14	12	54	162	92	16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	360	41-50	254	
15:00	0	1	10	16	30	80	154	82	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	392	41-50	236	
16:00	0	1	8	9	25	134	189	80	17	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	466	36-45	323	
17:00	0	5	4	8	26	73	166	127	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	424	41-50	293	
18:00	0	3	0	5	12	49	129	120	24	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347	41-50	249	
19:00	0	0	3	1	10	28	76	77	29	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	232	41-50	153	
20:00	0	3	1	0	5	24	90	50	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	41-50	140	
21:00	0	0	5	2	3	8	64	57	25	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167	41-50	121	
22:00	0	0	0	0	2	2	24	42	29	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	46-55	71	
23:00	0	0	0	0	0	1	25	31	20	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	41-50	56	
Total	1	29	64	127	357	1238	2524	1719	550	106	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6728			
Percent	0.0%	0.4%	1.0%	1.9%	5.3%	18.4%	37.5%	25.5%	8.2%	1.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak	11:00	11:00	09:00	09:00	07:00	07:00	07:00	06:00	05:00	05:00	04:00	06:00	01:00															07:00		
Vol.	1	5	7	17	37	143	263	189	84	24	5	1	1															630		
PM Peak		17:00	15:00	15:00	12:00	16:00	16:00	17:00	19:00	22:00	14:00	19:00																16:00		
Vol.		5	10	16	38	134	189	127	29	11	1	1																466		

TRAFFIC DATABANK LLC

716 SOUTH SIXTH AVE
MT VERNON,NY,10550

Site Code:
Station ID:
ALBANY POST RD N OF 1ST ST
PHILIPSTOWN,NY
Latitude: 0' 0.0000 Undefined

SB

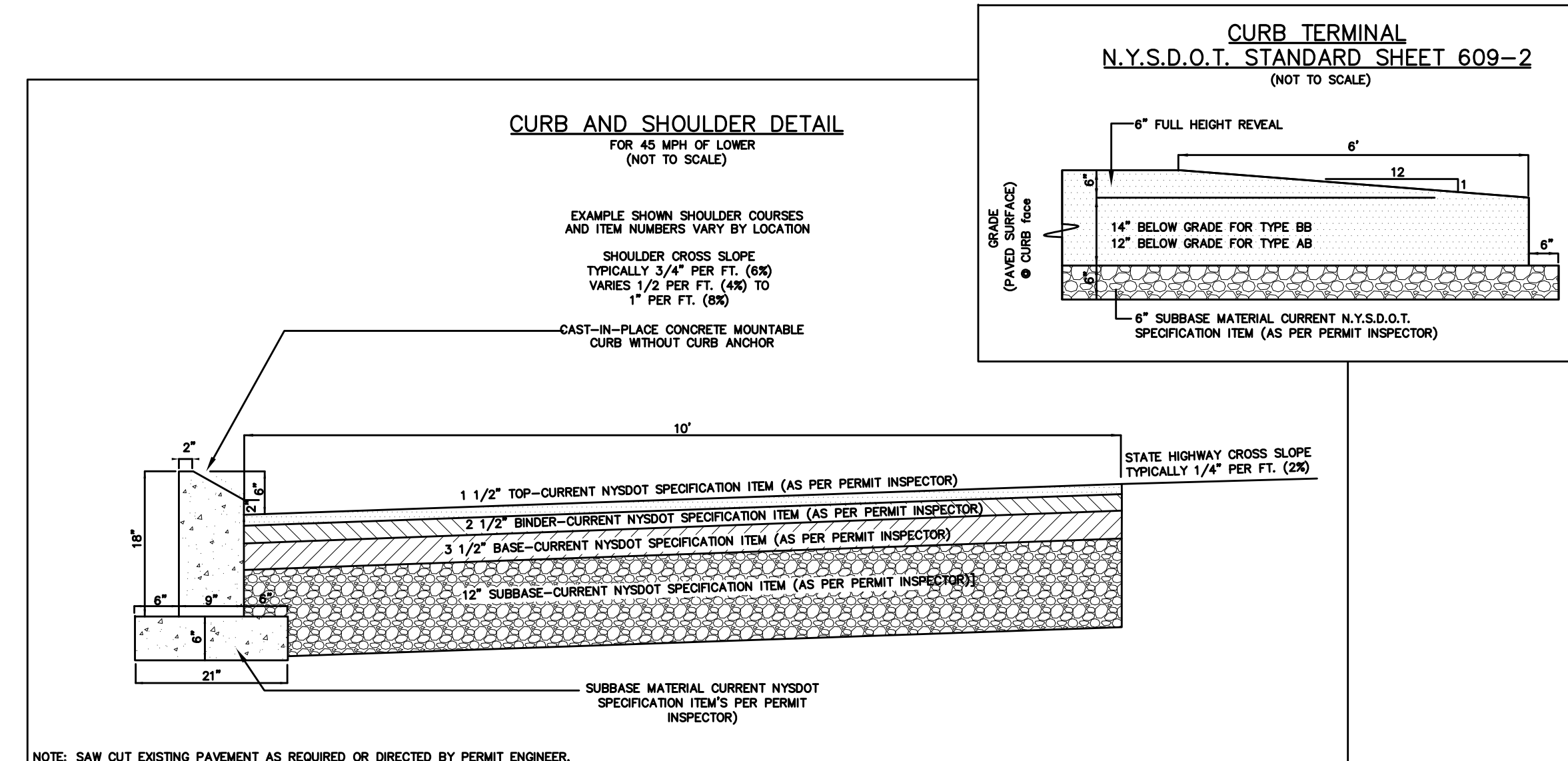
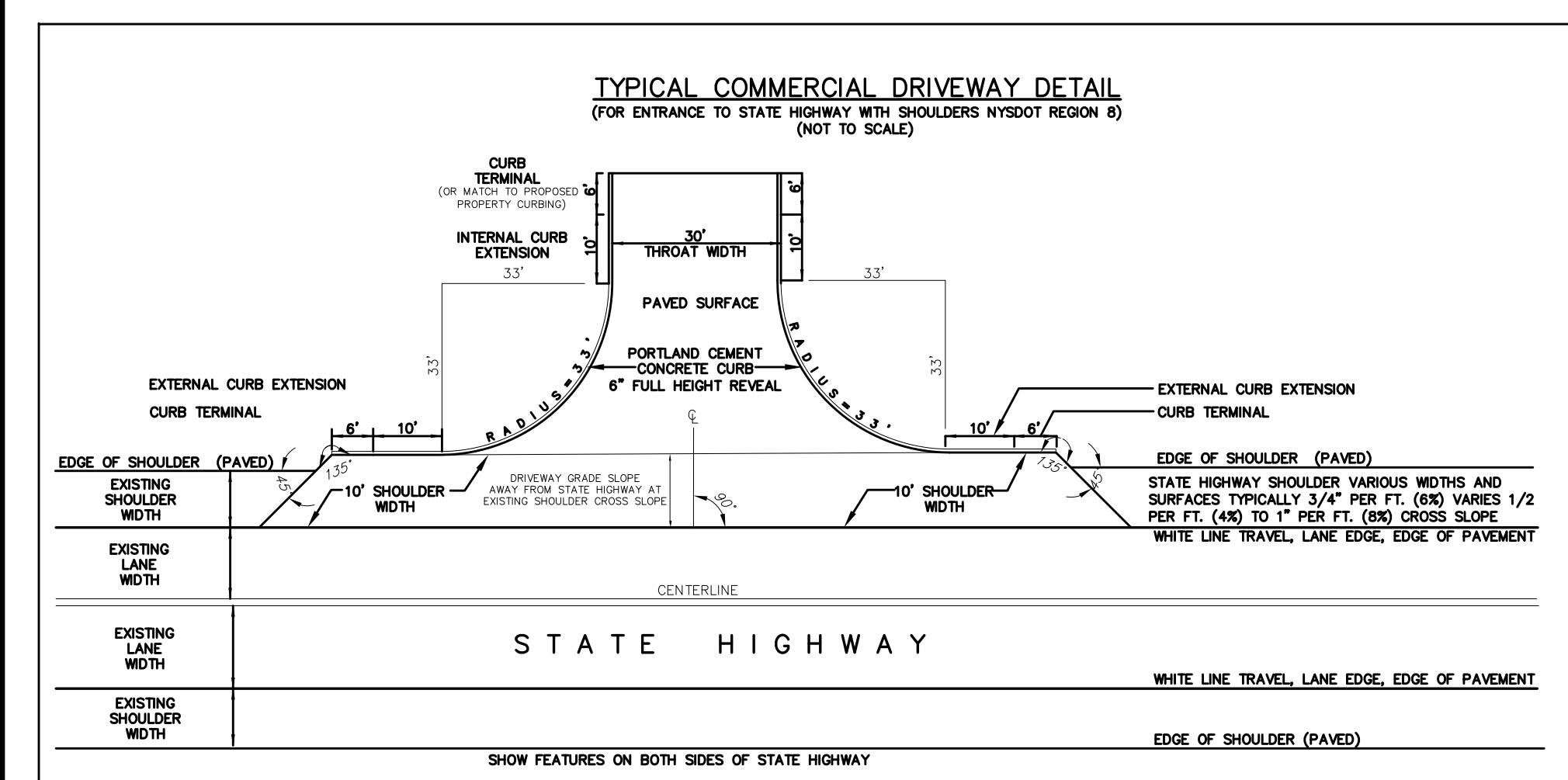
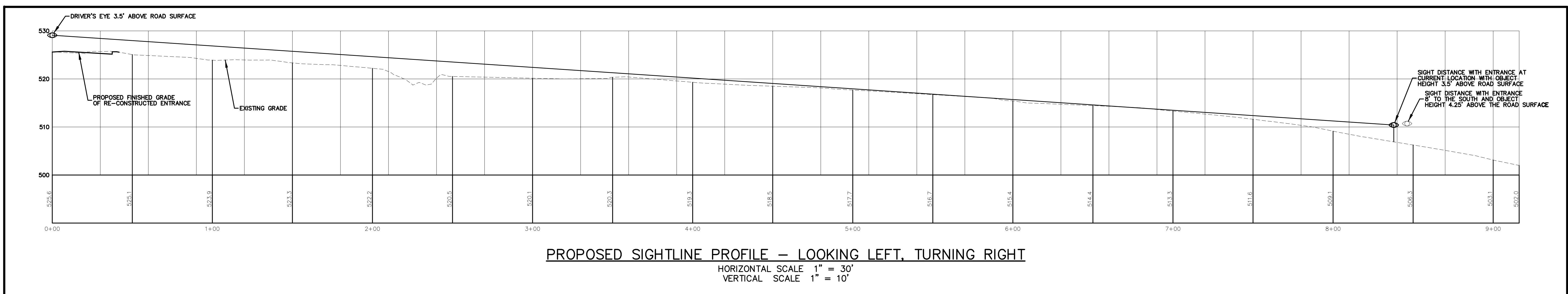
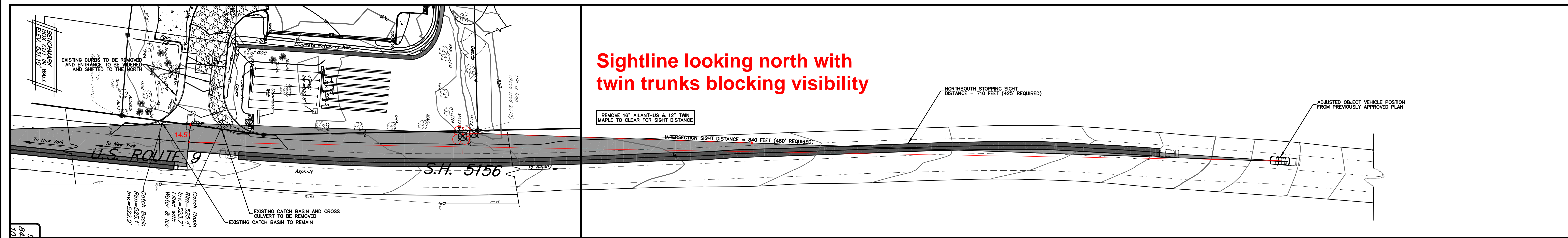
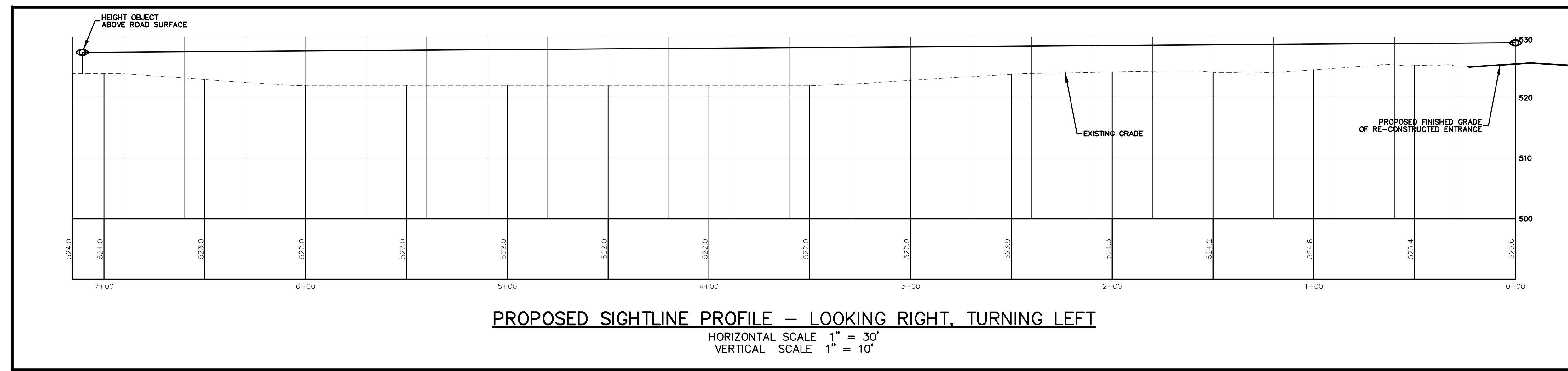
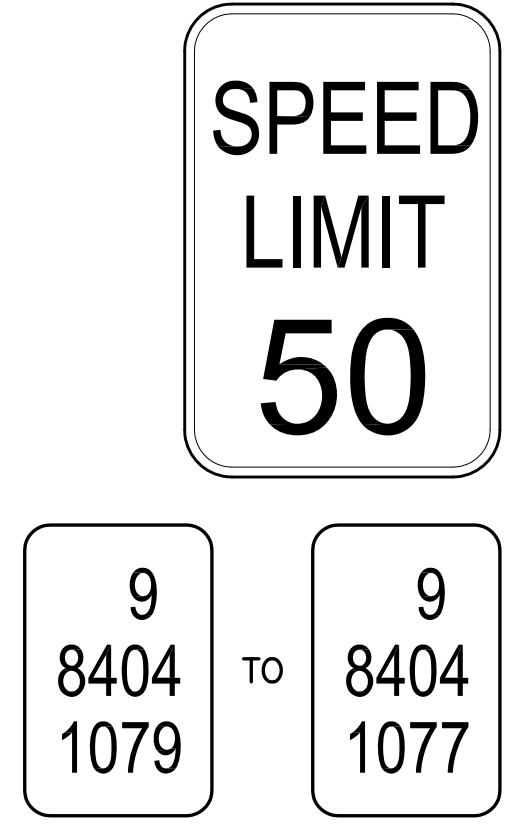
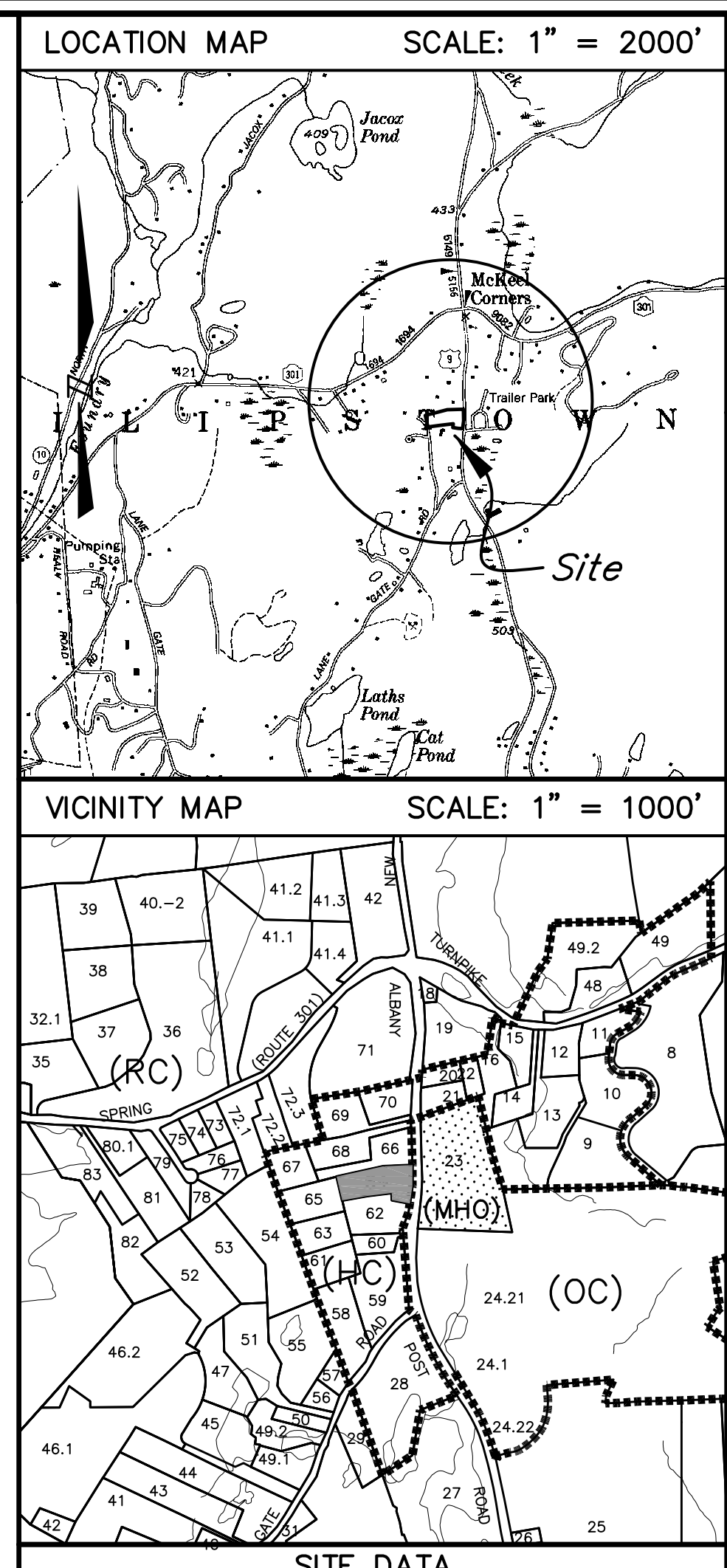
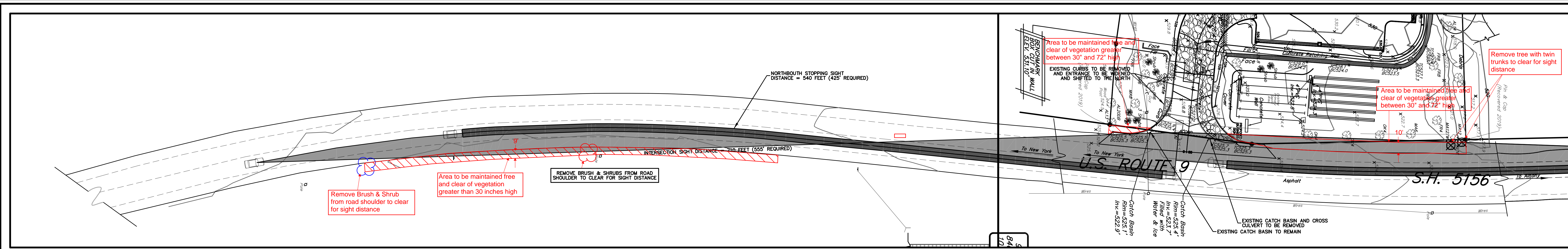
Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total	Pace Speed	Number in Pace	
08/01/20	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	5	0	0	0	0	0	0	0	0	0	0	0	35	41-50	20	
01:00	0	0	0	0	0	2	6	5	9	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	46-55	17	
02:00	0	0	0	0	0	0	0	2	2	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	46-55	8		
03:00	0	0	0	0	0	0	0	0	3	11	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	46-55	19		
04:00	0	0	0	0	0	0	0	9	10	20	10	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	54	46-55	30		
05:00	0	0	0	0	0	0	18	45	37	10	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	115	46-55	82		
06:00	0	0	0	0	1	22	39	95	66	22	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	248	46-55	161		
07:00	0	1	0	0	8	7	53	93	65	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	46-55	158		
08:00	0	0	1	1	1	9	62	119	27	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	224	41-50	181		
09:00	0	0	2	1	6	30	93	97	21	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	41-50	190		
10:00	0	2	4	3	12	17	111	115	24	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	291	41-50	226		
11:00	0	0	5	6	5	58	133	79	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	41-50	212		
12 PM	0	1	10	0	12	52	144	98	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338	41-50	242		
13:00	0	3	1	1	15	60	210	107	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	416	41-50	317		
14:00	0	0	4	17	23	57	157	111	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	41-50	268		
15:00	0	1	2	2	11	80	150	122	19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390	41-50	272		
16:00	0	1	4	4	26	84	173	94	23	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	413	41-50	267		
17:00	0	1	2	0	9	79	168	93	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	366	41-50	261		
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	10	35	35	131	561	1540	1310	427	95	16	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4165				
Percent	0.0%	0.2%	0.8%	0.8%	3.1%	13.5%	37.0%	31.5%	10.3%	2.3%	0.4%	0.1%	0.0%	0.0%																	
AM Peak		10:00	11:00	11:00	10:00	11:00	11:00	11:00	08:00	06:00	06:00	04:00	04:00	05:00														11:00			
Vol.		2	5	6	12	58	133	119	66	22	4	1	1															300			
PM Peak		13:00	12:00	14:00	16:00	16:00	13:00	15:00	14:00	16:00																		13:00			
Vol.		3	10	17	26	84	210	122	30	4																		416			
Total	9	87	237	373	1402	4592	9983	7511	2350	445	58	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	27064				
Percent	0.0%	0.3%	0.9%	1.4%	5.2%	17.0%	36.9%	27.8%	8.7%	1.6%	0.2%	0.0%	0.0%	0.0%																	

15th Percentile : 37 MPH
 50th Percentile : 43 MPH
85th Percentile : 49 MPH
 95th Percentile : 53 MPH

**85th and 95th Percentile Speeds
(90th percentile is approximately 52 mph)**

Stats
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 17494
 Percent in Pace : 64.6%
 Number of Vehicles > 55 MPH : 520
 Percent of Vehicles > 55 MPH : 1.9%
 Mean Speed(Average) : 44 MPH

Vegetation Removal Plan



SITE DATA

TAX MAP NO: 38-3-64
 LOT AREA: 2.549 ACRES
 ZONING DISTRICT: HIGHWAY COMMERCIAL (HC)
 PROPOSED USE: WAREHOUSE AND OFFICE (BOTH PERMITTED BY RIGHT SUBJECT TO SITE PLAN APPROVAL BY THE PLANNING BOARD)
 SCHOOL DISTRICT: HALDANE CENTRAL S.D.
 FIRE: NORTH HIGHLANDS ENGINE CO. 1
 AMBULANCE: PHILIPSTOWN VOLUNTEER AMBULANCE CORPS
 SUBDIVISION: CURRENT LOT CONFIGURATION NOT SHOWN ON A FILED MAP

MAP NOTES

THE SURVEY DATA & TOPOGRAPHIC INFORMATION SHOWN HEREON IS AS SHOWN ON THAT CERTAIN MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR CRS INTERNATIONAL, INC." PREPARED BY BADEY & WATSON, SURVEYING AND ENGINEERING, P.C. DATED DECEMBER 12, 2019.

REVISIONS

DATE	DESCRIPTION
01/02/20	ORIGINAL DRAWING
02/05/20	BUILDING FOOTPRINT, DRIVEWAY ALIGNMENTS
03/18/20	CLIENT REVIEW
05/07/20	REV LOADING DOCKS/ACCESS, EXG RET WALLS
07/03/20	ADDITIONAL NYSDOT HIGHWAY ENTRY ANALYSIS

PROPERTY OWNER

STATE ROAD STORAGE LLC
 3504 ROUTE 9
 COLD SPRING, NY 10516

ARCHITECT

HUDSON DESIGN - ARCHITECTURE & CONSTRUCTION MANAGEMENT PLLC
 1949 ROUTE 9
 COLD SPRING, NY 10516
 (845) 424-4810

PROJECT LOCATION

2761 ROUTE 9, COLD SPRING
 TOWN OF PHILIPSTOWN
 COUNTY OF PUTNAM
 STATE OF NEW YORK

PROJECT DESCRIPTION

NEW CONSTRUCTION OF A WHOLESALE DISTRIBUTION WAREHOUSE INCLUDING ASSOCIATED OFFICES TO BE SERVED BY A SEPARATE SUBSURFACE SEWAGE TREATMENT SYSTEM AND PRIVATE INDIVIDUAL WELL

APPLICANTS

CRS INTERNATIONAL, INC. (CONTRACT VENUEE)
 3027 ROUTE 9
 COLD SPRING, NY 10516

COMMERCIAL ACCESS HIGHWAY WORK PERMIT PLAN

MAJOR SITE PLAN SET

STORMWATER POLLUTION PREVENTION PLAN (FULL)

SCALE: AS NOTED

PRINTED
 JULY 3, 2020
 BADEY & WATSON
 Surveying & Engineering, P.C.

PRELIMINARY

BADEY & WATSON
 Surveying & Engineering, P.C.

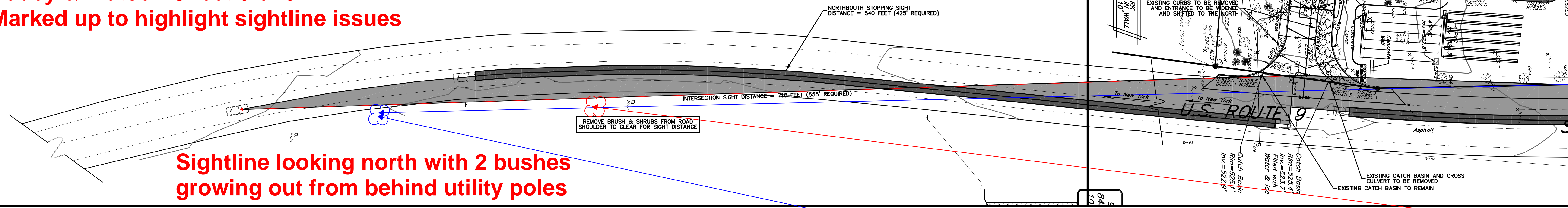
3043 Route 9 Cold Spring, NY 10516 www.Badey-Watson.com 845.265.9217 845.265.8428 (Fax) 877.3.141.993 (Toll Free)

COPYRIGHT 2020 BY BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

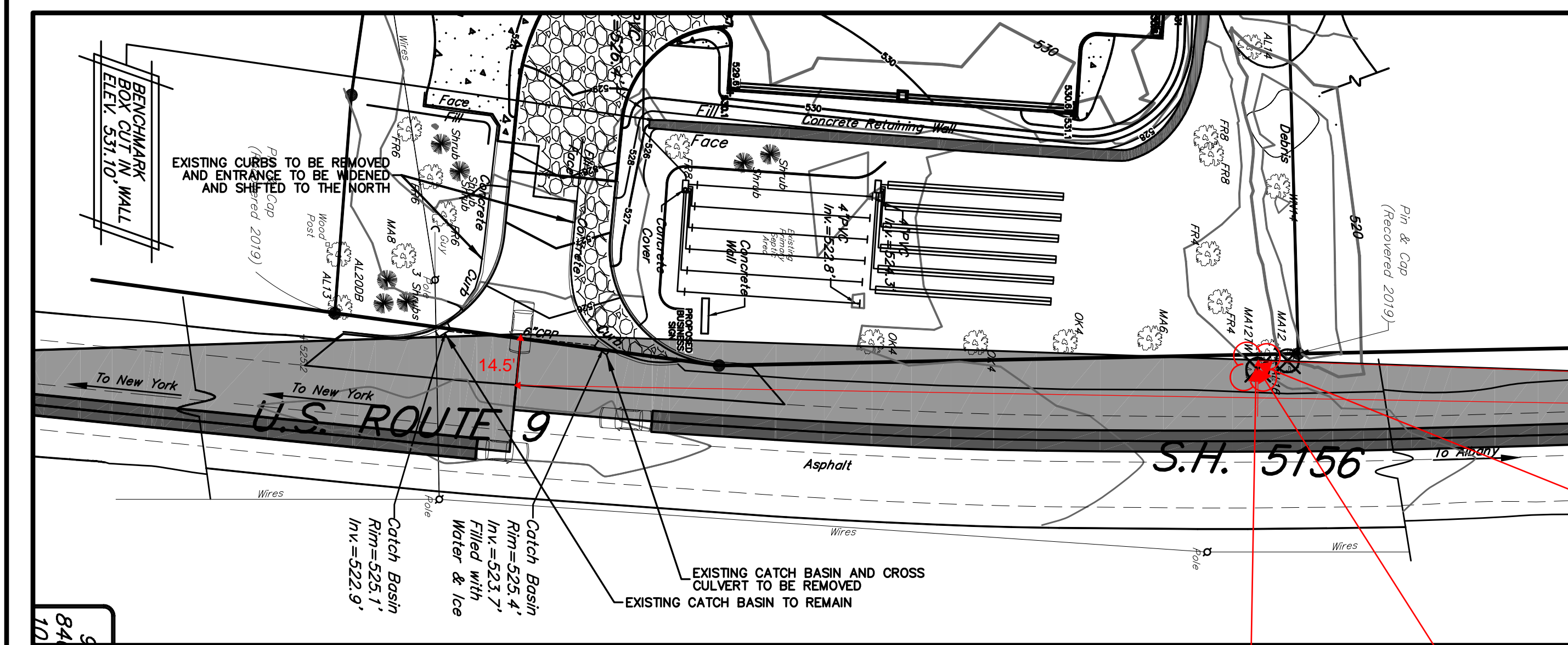
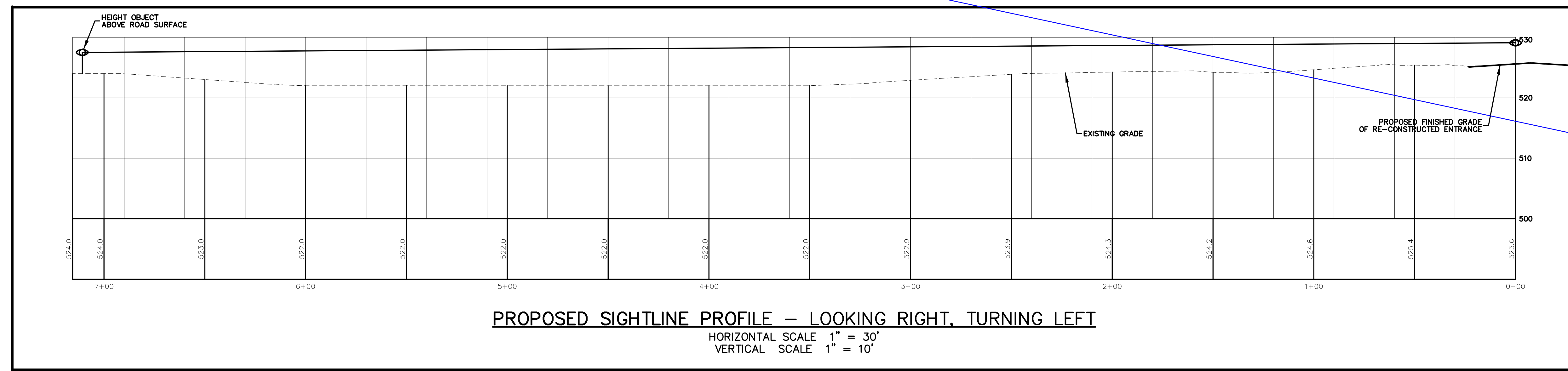
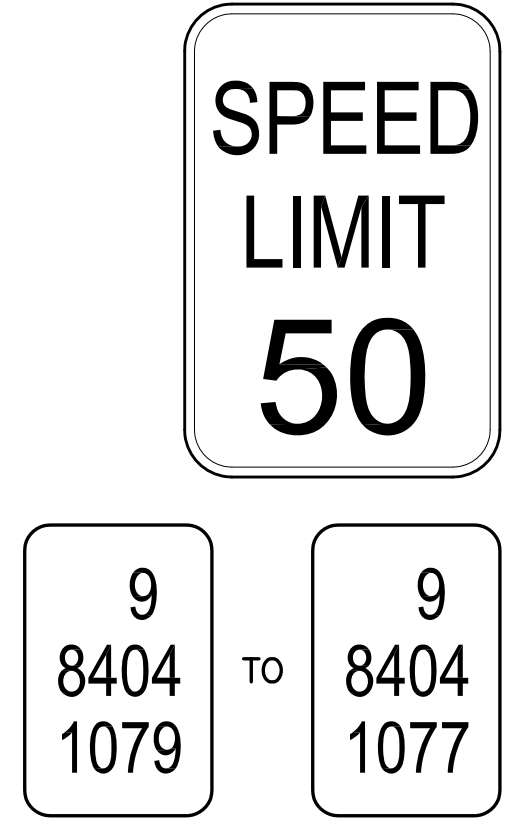
SHEET 5 OF 5

DRAWING NAME: 1

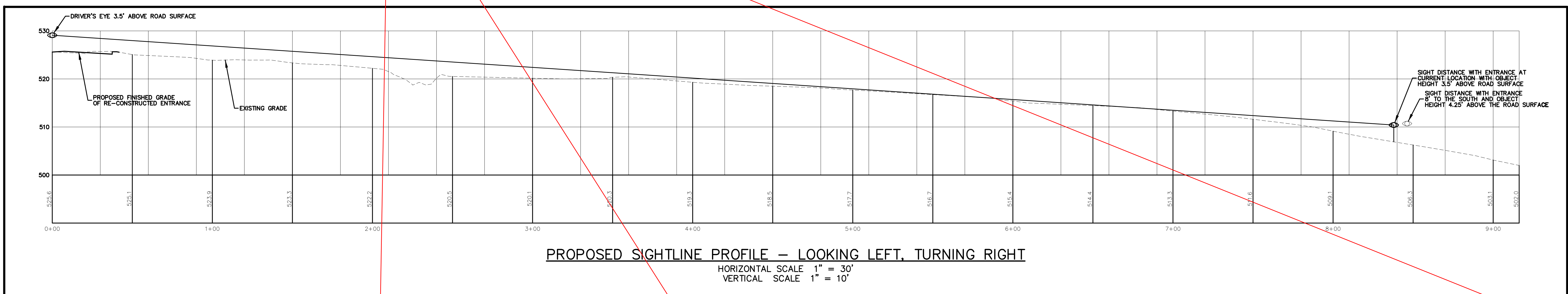
Exhibit 2
Badey & Watson Sheet 5 of 5
Marked up to highlight sightline issues



Sightline looking north with 2 bushes growing out from behind utility poles

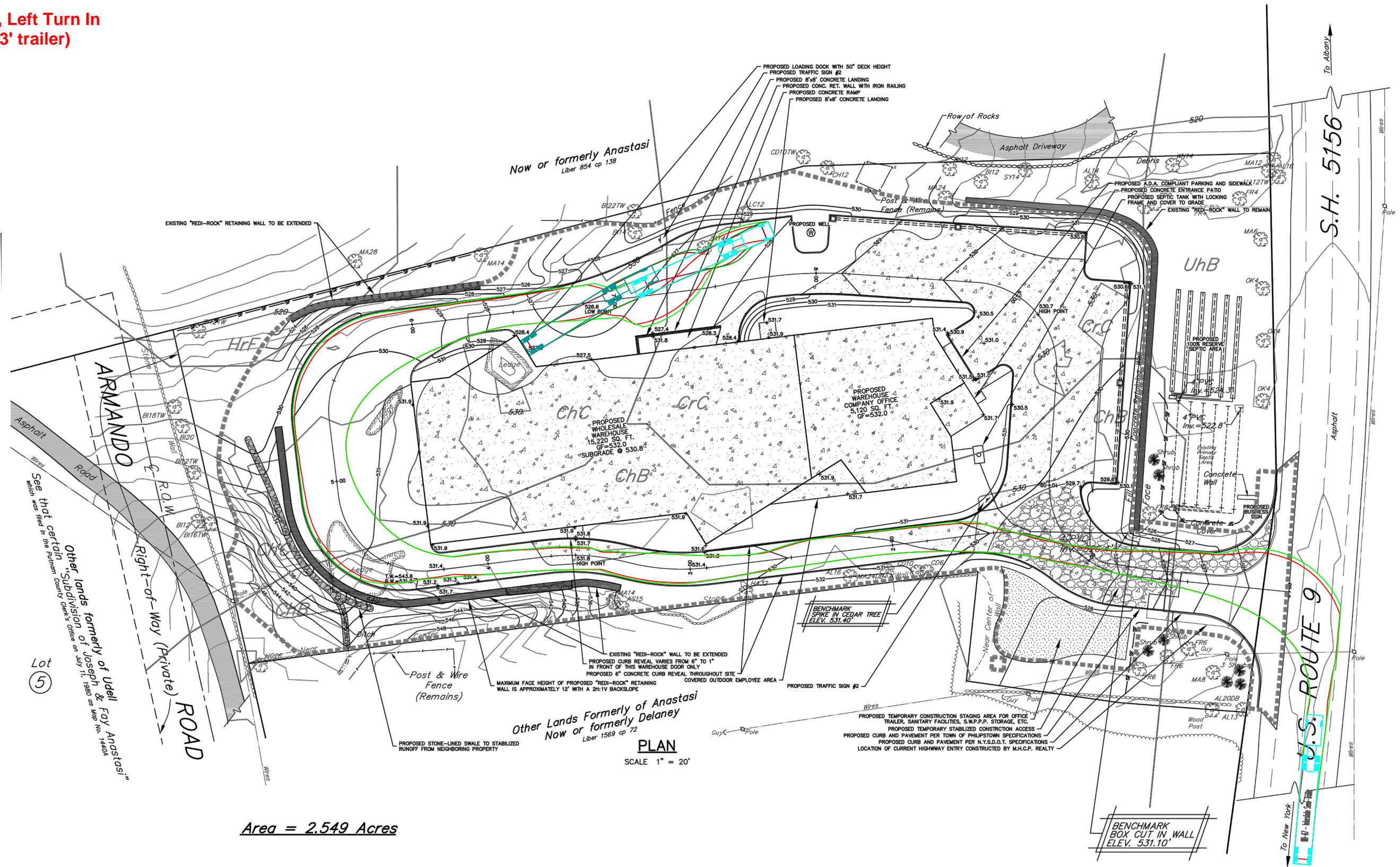


Sightline looking north with twin trunks blocking visibility



Truck Maneuvering Plans

**Exhibit 3, Left Turn In
WB-67 (53' trailer)**



Area = 2.549 Acres

PLAN
SCALE 1" = 20'

Saved Tuesday, August 4, 2020 3:29:32 PM VERONICA PREZIOSO Plotted Tuesday, August 4, 2020 3:38:18 PM Precioso, Veronica

CRS WAREHOUSE
2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN, NY 10516

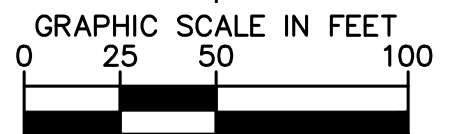
LEFT TURN IN

KHA PROJECT:	112350000
DATE:	07-27-2020
DESIGNED BY:	VMP
DRAWN BY:	VMP
CHECKED BY:	TJC

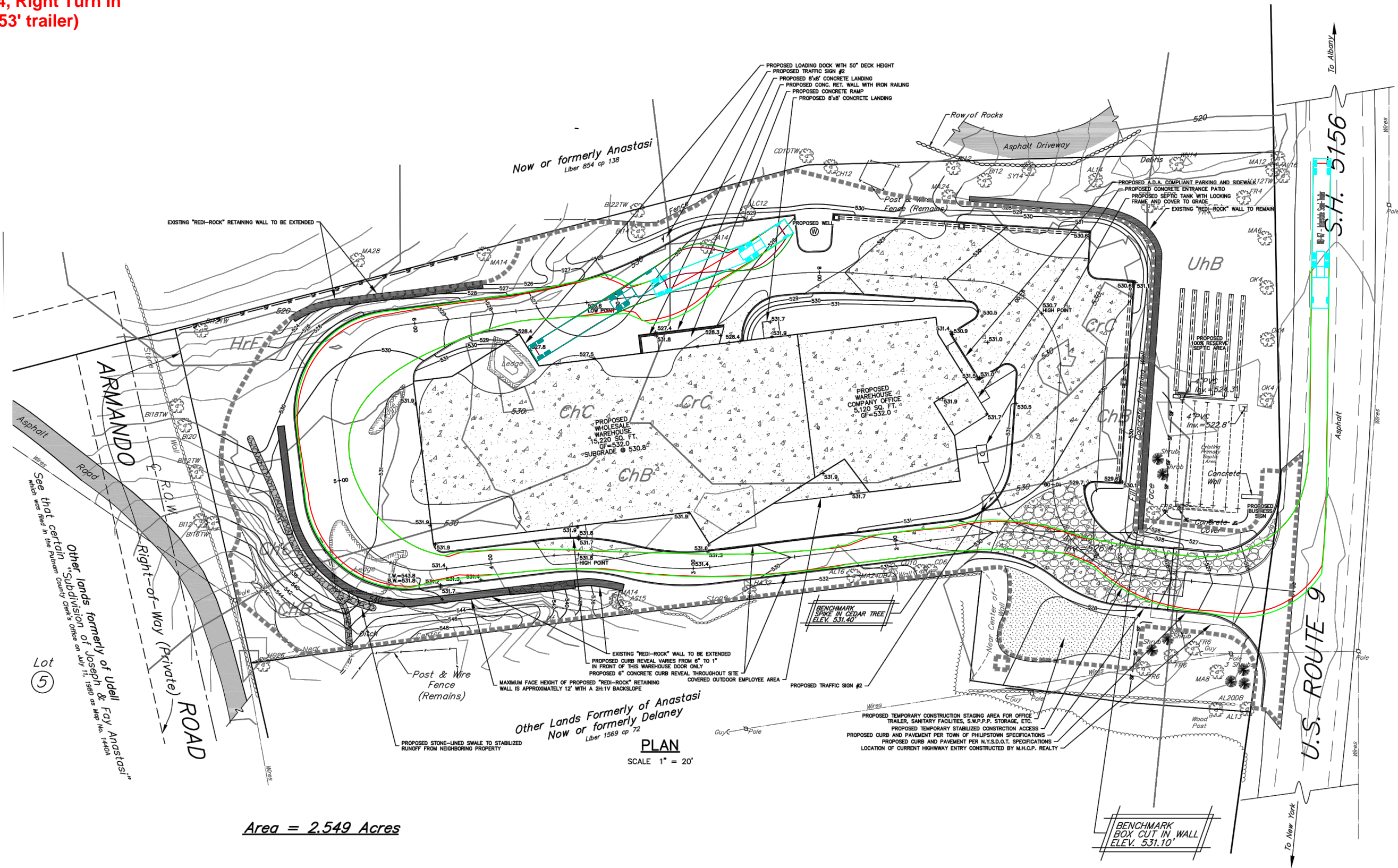


of New York, P.C.

© 2020 KIMLEY-HORN OF NEW YORK PC
1 NORTH LEXINGTON AVENUE, SUITE 1575
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM



**Exhibit 4, Right Turn In
WB-67 (53' trailer)**



Area = 2.549 Acres

Saved Tuesday, August 4, 2020 3:29:32 PM VERONICA PREZIOSO Plotted Tuesday, August 4, 2020 3:29:28 PM Precioso, Veronica

CRS WAREHOUSE
2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN, NY 10516

RIGHT TURN IN

KHA PROJECT:	112350000
DATE:	07-27-2020
DESIGNED BY:	VMP
DRAWN BY:	VMP
CHECKED BY:	TJC



© 2020 KIMLEY-HORN OF NEW YORK PC
1 NORTH LEXINGTON AVENUE, SUITE 1575
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

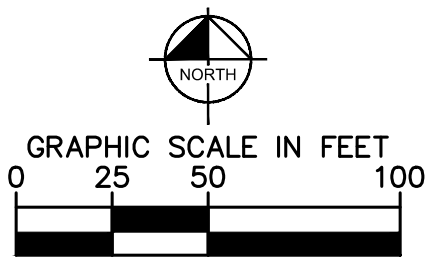
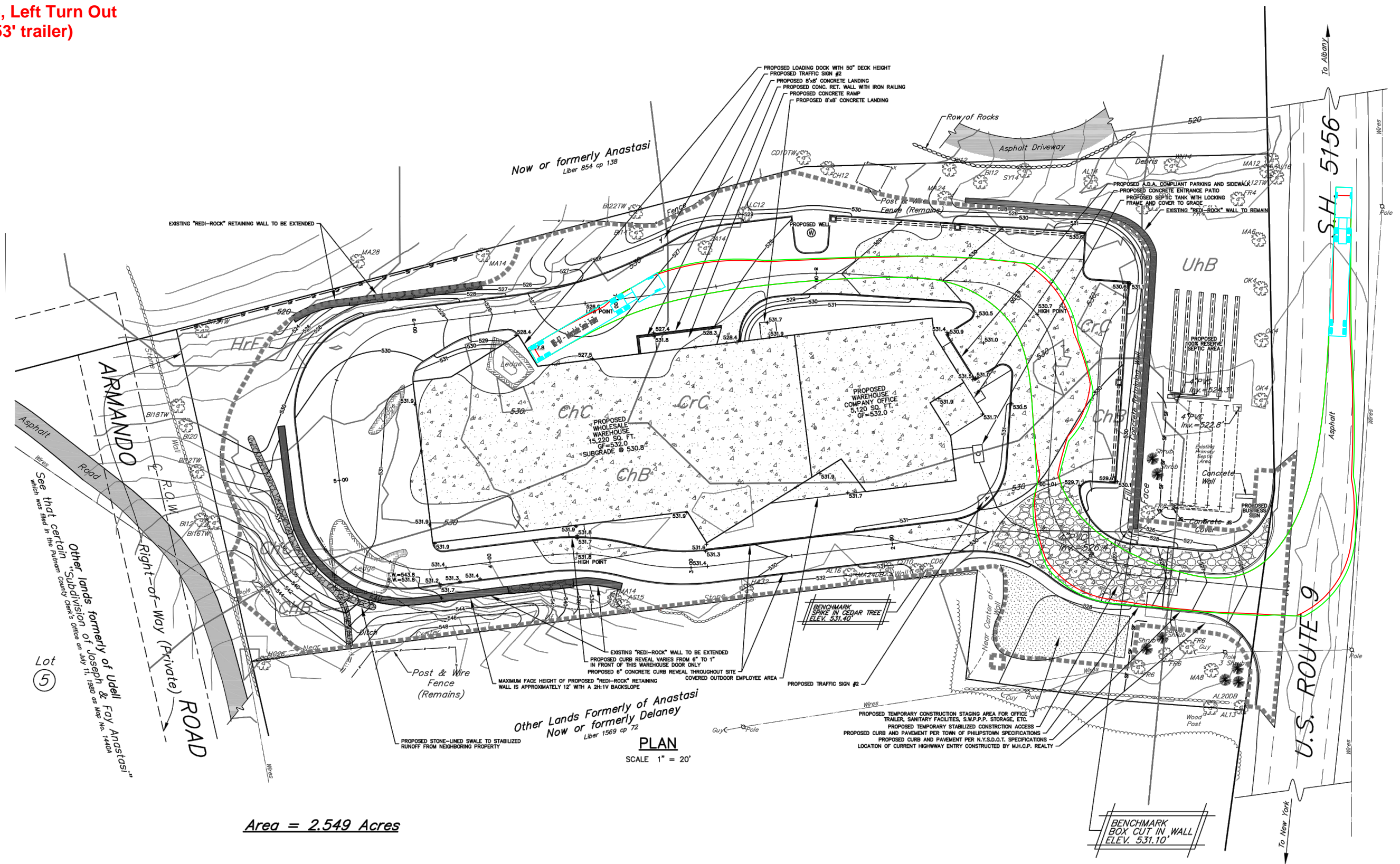


Exhibit 5, Left Turn Out WB-67 (53' trailer)



Area = 2,549 Acres

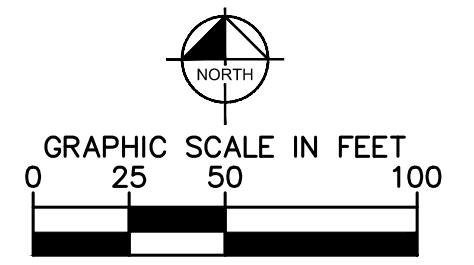
CRS WAREHOUSE
 2761 ROUTE 9, COLD SPRING
 TOWN OF PHILIPSTOWN, NY 10516

LEFT TURN OUT

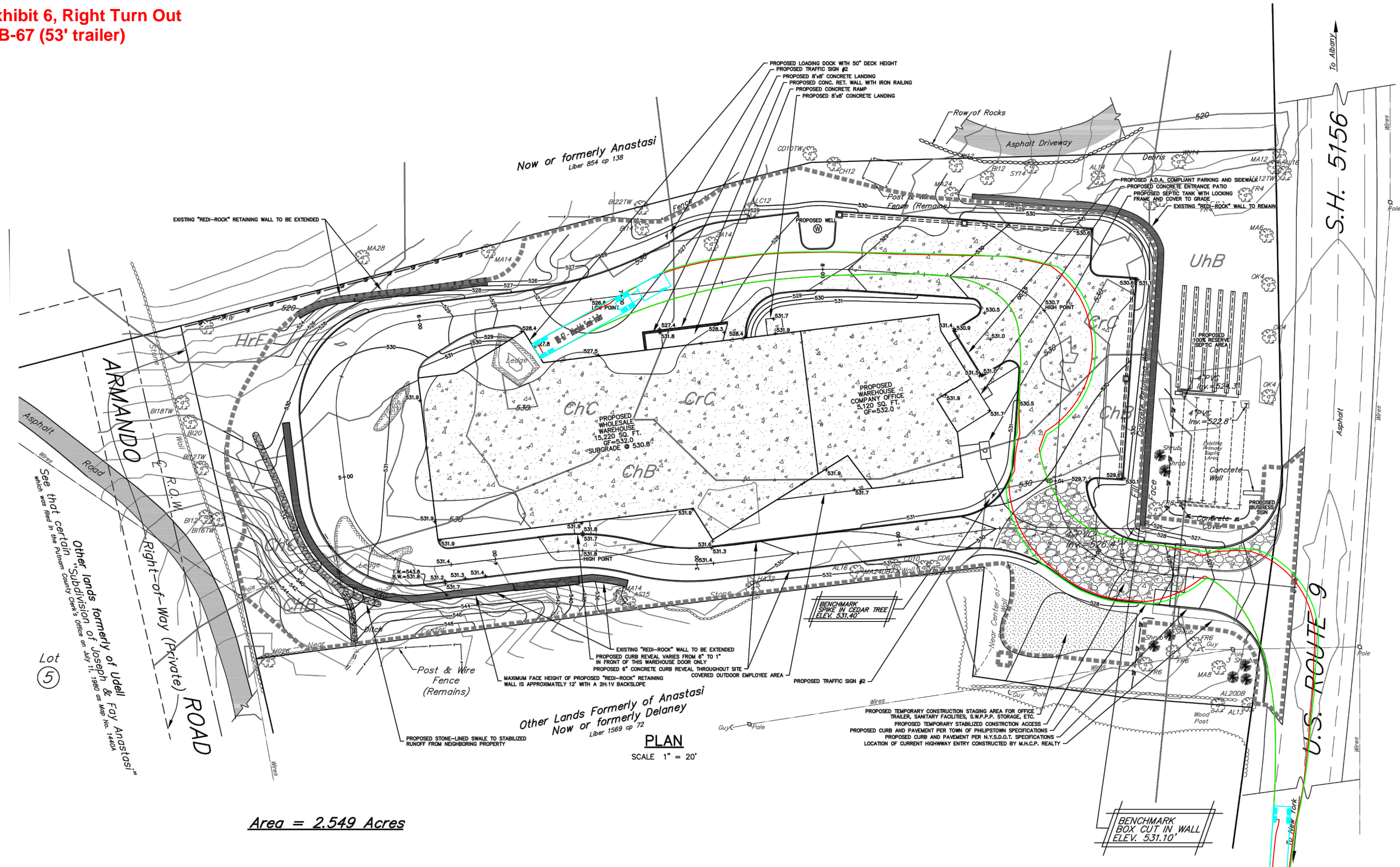
KHA PROJECT:	112350000
DATE:	07-27-2020
DESIGNED BY:	VMP
DRAWN BY:	VMP
CHECKED BY:	TJC



© 2020 KIMLEY-HORN OF NEW YORK PC
 1 NORTH LEXINGTON AVENUE, SUITE 1575
 WHITE PLAINS, NY 10601
 PHONE: 914-368-9200
 WWW.KIMLEY-HORN.COM



**Exhibit 6, Right Turn Out
WB-67 (53' trailer)**



Area = 2.549 Acres

PLAN
SCALE 1" = 20'

Saved Tuesday, August 4, 2020 3:29:32 PM VERONICA PREZIOSO Plotted Tuesday, August 4, 2020 3:38:47 PM Precioso, Veronica

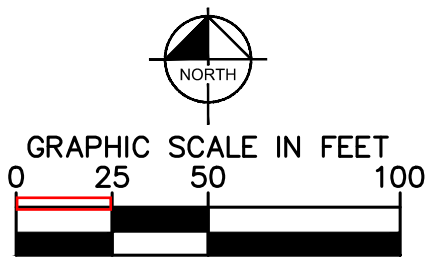
CRS WAREHOUSE
2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN, NY 10516

RIGHT TURN OUT

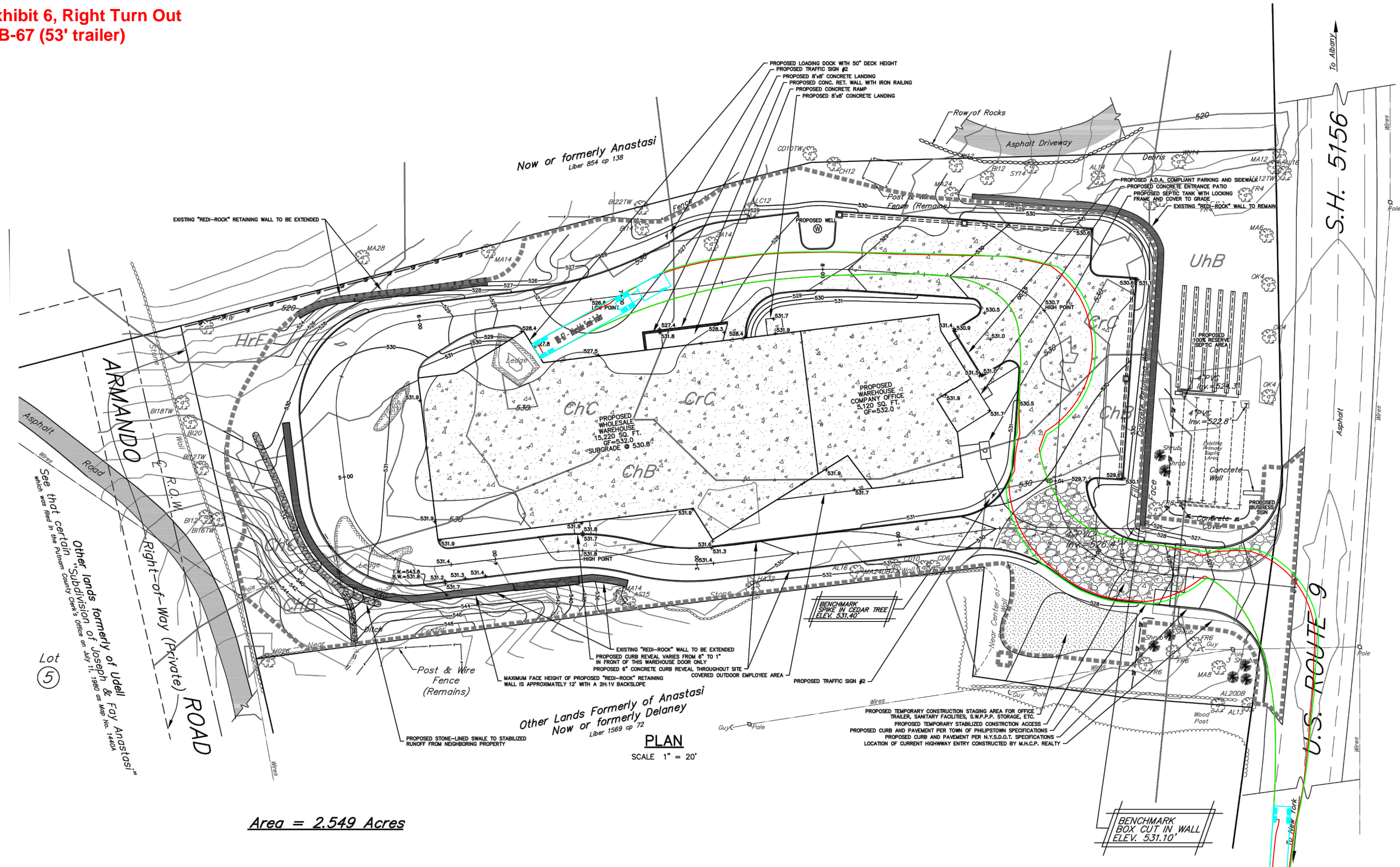
KHA PROJECT:	112350000
DATE:	07-27-2020
DESIGNED BY:	VMP
DRAWN BY:	VMP
CHECKED BY:	TJC



© 2020 KIMLEY-HORN OF NEW YORK PC
1 NORTH LEXINGTON AVENUE, SUITE 1575
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM



**Exhibit 6, Right Turn Out
WB-67 (53' trailer)**



Area = 2.549 Acres

PLAN
SCALE 1" = 20'

Saved Tuesday, August 4, 2020 3:29:32 PM VERONICA PREZIOSO Plotted Tuesday, August 4, 2020 3:38:47 PM Precioso, Veronica

CRS WAREHOUSE
2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN, NY 10516

RIGHT TURN OUT

KHA PROJECT:	112350000
DATE:	07-27-2020
DESIGNED BY:	VMP
DRAWN BY:	VMP
CHECKED BY:	TJC



© 2020 KIMLEY-HORN OF NEW YORK PC
1 NORTH LEXINGTON AVENUE, SUITE 1575
WHITE PLAINS, NY 10601
PHONE: 914-368-9200
WWW.KIMLEY-HORN.COM

