

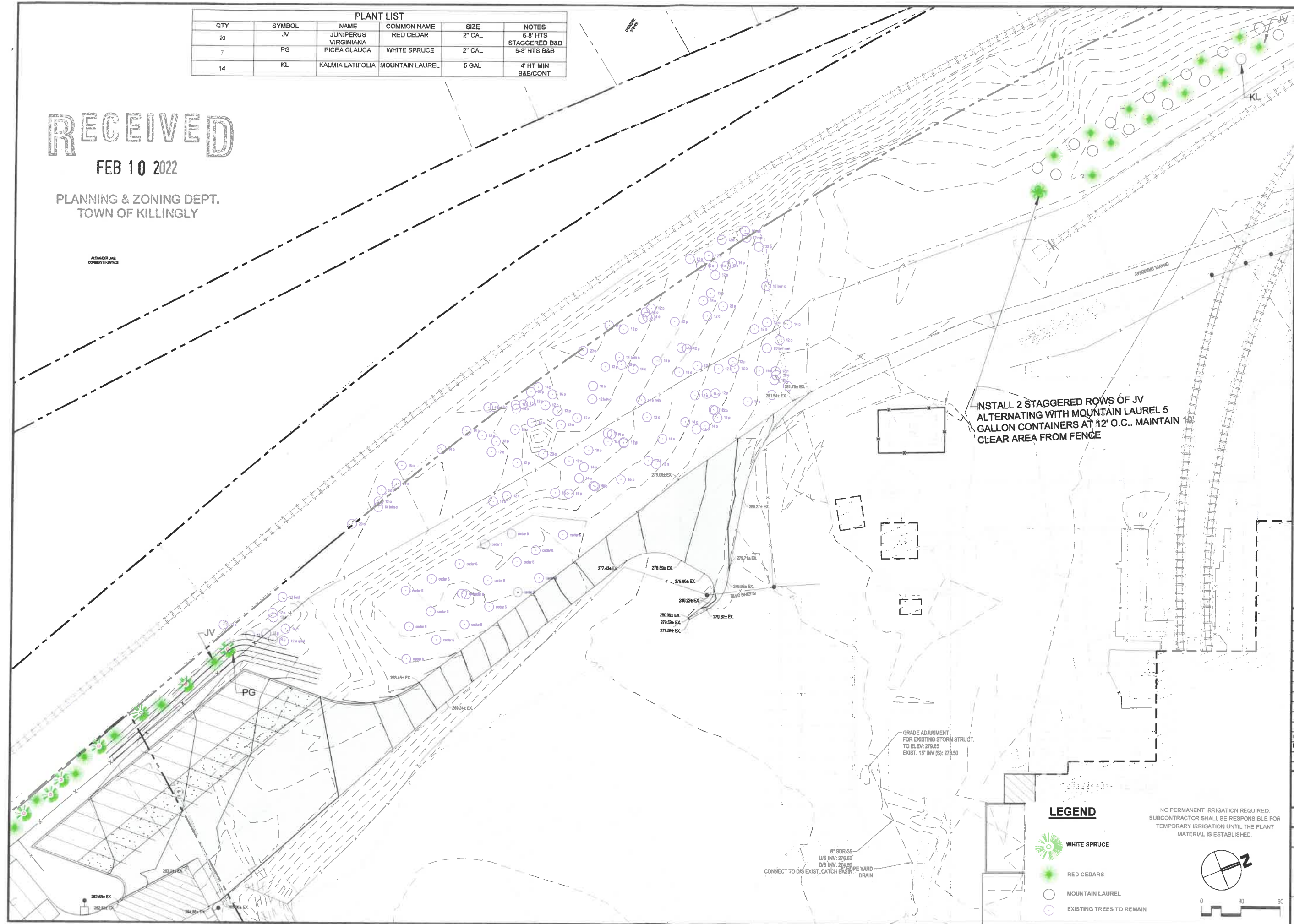
PLANT LIST					
QTY	SYMBOL	NAME	COMMON NAME	SIZE	NOTES
20	JV	JUNIPERUS VIRGINIANA	RED CEDAR	2" CAL	6-8' HTS STAGGERED B&B
7	PG	PICEA GLAUCA	WHITE SPRUCE	2" CAL	6-8' HTS B&B
14	KL	KALMIA LATIFOLIA	MOUNTAIN LAUREL	5 GAL	4' HT MIN B&B/CONT

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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

AS SHOWN ON  
CONVEYANCE RECORDS



INSTALL 2 STAGGERED ROWS OF JV  
ALTERNATING WITH MOUNTAIN LAUREL 5  
GALLON CONTAINERS AT 12' O.C.. MAINTAIN 10'  
CLEAR AREA FROM FENCE

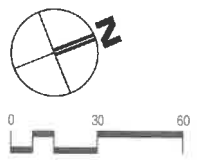
GRADE ADJUSTMENT  
FOR EXISTING STORM STRUCT.  
TO ELEV. 279.65  
EXIST. 15" INV (S); 273.50

6" SDR-35  
1.5' INV: 279.65  
DIS INV: 273.50  
CONNECT TO DIS EXIST. CATCH BASIN  
DRAIN

**LEGEND**

- WHITE SPRUCE
- RED CEDARS
- MOUNTAIN LAUREL
- EXISTING TREES TO REMAIN

NO PERMANENT IRRIGATION REQUIRED  
SUBCONTRACTOR SHALL BE RESPONSIBLE FOR  
TEMPORARY IRRIGATION UNTIL THE PLANT  
MATERIAL IS ESTABLISHED.



**HASKELL ARCHITECTS and ENGINEERS, P.C.**  
CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company  
11 Riverside Avenue  
Killingly, CT 06242  
Phone # (804) 791-4600



**FRITO-LAY**  
**KILLINGLY TRANSFORMATION**  
KILLINGLY, CONNECTICUT

No.	DESCRIPTION	DATE
CC	P&Z Submission	3/1/22
BB	PROG. ISSUE	01/14/22
Z	P&Z Submission	11/05/21
Y	Progress Issue #5	11/05/21

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CHECKED BY: WNB

AS JOB NUMBER  
**3401365**

**LANDSCAPE PLAN**

**2L-120**  
SHEET NUMBER









PLANT LIST					
QTY	SYMBOL	NAME	COMMON NAME	SIZE	NOTES
14	JV	JUNIPERUS VIRGINIANA	RED CEDAR	2" CAL	6-8' HT STAGGERED B&B
15	PG	PICEA GLAUCA	WHITE SPRUCE	2" CAL	6-8' HT B&B
122	KL	KALMIA LATIFOLIA	MOUNTAIN LAUREL	5 GAL	4' HT MIN B&B/CONT
50	JS	JUNIPERUS SCOPULORUM	SKYROCKET JUNIPER	5 GAL	B&B/CONT

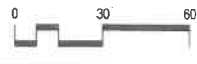
5,360 SF GREEN SPACE REQUIRED.  
5,500 SF PROVIDED.

INTERMIX 50 JS  
AND 122 KL @ 6'oc

**LEGEND**

-  WHITE SPRUCE
-  RED CEDARS
-  MOUNTAIN LAUREL
-  EXISTING TREES TO REMAIN

NO PERMANENT IRRIGATION REQUIRED.  
SUBCONTRACTOR SHALL BE RESPONSIBLE FOR  
TEMPORARY IRRIGATION UNTIL THE PLANT  
MATERIALS ARE ESTABLISHED.



**HASKELL ARCHITECTS and ENGINEERS, P.C.**  
CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company  
1100 Main Street  
Jacksonville, Florida 32202  
Phone # (904) 791-4600

**HASKELL**

**FRITO-LAY**  
**KILLINGLY TRANSFORMATION**  
KILLINGLY, CONNECTICUT

No.	DESCRIPTION	DATE
CC	P&Z Submission	2/1/22
BB	PROG. ISSUE	01/14/22
Z	P&Z Submission	11/05/21
Y	Progress Issue #1	11/05/21

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CHECKED BY: JRH  
AE JOB NUMBER: 3401365

**LANDSCAPE PLAN**

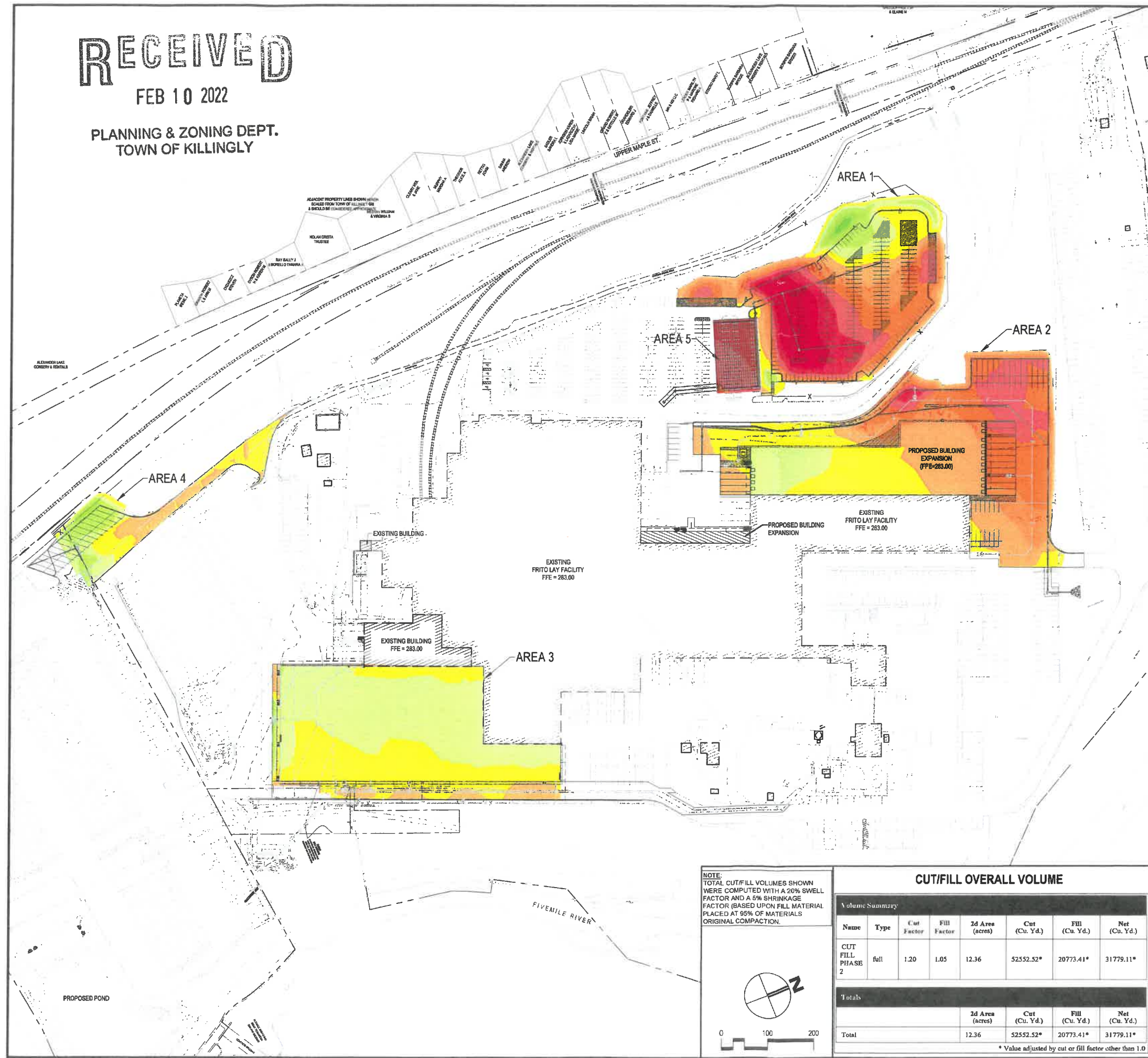
**2L-121**  
SHEET NUMBER



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TOWN OF KILLINGLY



### LEGEND

ELEVATIONS TABLE						
NUMBER	MIN. ELEV.	MAX. ELEV.	AREA (SF)	VOLUME (Cu Yd)	COLOR	
1	-12.93	-10.00	17587	753.04	[Red]	
2	-10.00	-8.00	16098	1888.96	[Red]	
3	-8.00	-6.00	35840	3311.53	[Red]	
4	-6.00	-4.00	59799	7397.80	[Red]	
5	-4.00	-2.00	39586	11045.39	[Orange]	
6	-2.00	0.00	95616	15077.31	[Orange]	
7	0.00	2.00	129816	14125.69	[Yellow]	
8	2.00	4.00	111228	4677.53	[Yellow]	
9	4.00	6.00	13893	697.37	[Light Green]	
10	6.00	8.00	2569	217.29	[Light Green]	
11	8.00	10.00	1232	78.60	[Light Green]	
12	10.00	12.08	559	17.71	[Light Green]	

### CUT/FILL REPORTS

#### AREA 1

Volume Summary							
Name	Type	Cut Factor	Fill Factor	Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
SurfaceAUTOCUTFILL	full	1.00	1.00	3.26	23076.50	3744.47	19332.03<Cut>
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				3.26	23076.50	3744.47	19332.03<Cut>

\* Value adjusted by cut or fill factor other than 1.0

#### AREA 2

Volume Summary							
Name	Type	Cut Factor	Fill Factor	Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
SurfaceGESGRADINOCUTFILL	full	1.00	1.00	4.45	16102.33	2843.12	13259.22<Cut>
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				4.45	16102.33	2843.12	13259.22<Cut>

\* Value adjusted by cut or fill factor other than 1.0

#### AREA 3

Volume Summary							
Name	Type	Cut Factor	Fill Factor	Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
SurfaceMFGCUTFILL	full	1.00	1.00	3.50	171.05	10695.17	10524.12<Fill>
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				3.50	171.05	10695.17	10524.12<Fill>

\* Value adjusted by cut or fill factor other than 1.0

#### AREA 4

Volume Summary							
Name	Type	Cut Factor	Fill Factor	Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
SurfaceSWTRAILERSCUTFILL	full	1.00	1.00	0.82	124.56	2501.44	2376.88<Fill>
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				0.82	124.56	2501.44	2376.88<Fill>

\* Value adjusted by cut or fill factor other than 1.0

#### AREA 5

Volume Summary							
Name	Type	Cut Factor	Fill Factor	Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
SurfaceCUTFILL-UNDERGRDSYS	full	1.00	1.00	0.34	4307.99	0.00	4307.99<Cut>
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				0.34	4307.99	0.00	4307.99<Cut>

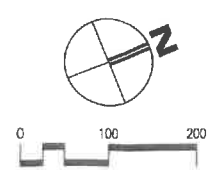
\* Value adjusted by cut or fill factor other than 1.0

### CUT/FILL OVERALL VOLUME

Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
CUT FILL PHASE 2	full	1.20	1.05	12.36	52552.52*	20773.41*	31779.11*
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>
<b>Total</b>				12.36	52552.52*	20773.41*	31779.11*

\* Value adjusted by cut or fill factor other than 1.0

NOTE:  
TOTAL CUT/FILL VOLUMES SHOWN WERE COMPUTED WITH A 20% SWELL FACTOR AND A 5% SHRINKAGE FACTOR (BASED UPON FILL MATERIAL PLACED AT 95% OF MATERIALS ORIGINAL COMPACTION).



JOSHUA R. HOUGH  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF CONNECTICUT  
LICENSE NO. 100000001

HASKELL ARCHITECTS and ENGINEERS, P.C.  
CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company  
111 Riverside Avenue  
Jacksonville, Florida 32202  
Phone # (904) 791-4600

FRITO-LAY  
KILLINGLY TRANSFORMATION

KILLINGLY, CONNECTICUT

No.	DESCRIPTION	DATE
CC	P&Z Submission	03/07/22
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/06/21
Y	Progress Issue #3	11/05/21
V	Progress Issue #2	09/02/21
R	Progress Issue #1	06/13/21
Q	P&Z CI	06/09/21

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CHECKED BY: JRH

AE JOB NUMBER  
**3401365**

**OVERALL CUT-FILL ANALYSIS PLAN**

**2C-146**  
SHEET NUMBER



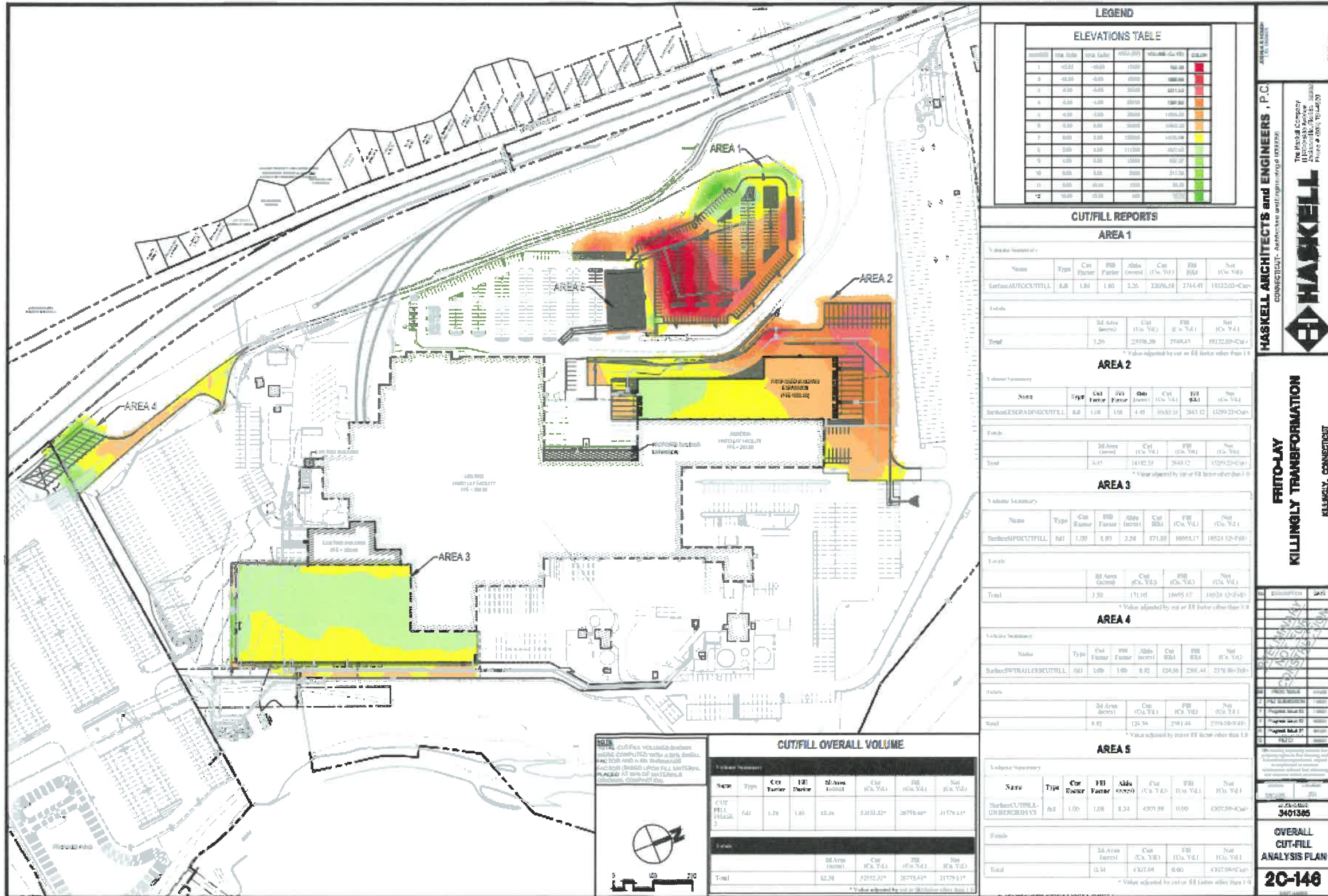
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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

# Frito-Lay Killingly: Cut / Fill Analysis

February 8, 2022



**LEGEND**

**ELEVATIONS TABLE**

Color	Min. Elev.	Max. Elev.	Min. Elevation	Max. Elevation	Color
Red	105.00	105.00	105.00	105.00	Red
Orange	104.00	104.00	104.00	104.00	Orange
Yellow	103.00	103.00	103.00	103.00	Yellow
Green	102.00	102.00	102.00	102.00	Green

**CUT/FILL REPORTS**

**AREA 1**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
Surface/AUTOCUT/FILL	0.8	1.00	1.00	3.25	3306.58	2744.47	1832.00-Cut
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		1.25	2378.39	2748.47	1832.00-Cut		

**AREA 2**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
Surface/ESGRAVING/CUT/FILL	0.8	1.00	1.00	4.40	1682.31	243.12	1539.19-Cut
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		4.41	1682.31	243.12	1539.19-Cut		

**AREA 3**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
Surface/PDCUT/FILL	0.8	1.00	1.00	2.50	671.88	8695.17	1624.32-Fill
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		3.30	171.00	1665.87	1624.32-Fill		

**AREA 4**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
Surface/PTRAILER/CUT/FILL	0.8	1.00	1.00	0.82	124.59	296.41	2176.80-Fill
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		0.82	124.59	296.41	2176.80-Fill		

**AREA 5**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
Surface/CUT/FILL-UNDERGRADYS	0.8	1.00	1.00	0.24	430.99	0.00	430.99-Cut
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		0.24	430.99	0.00	430.99-Cut		

**CUT/FILL OVERALL VOLUME**

Name	Type	Cut Factor	Fill Factor	Side (feet)	Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
CUT/FILL (HASKELL)	0.8	1.00	1.00	0.24	2182.21*	2878.47*	2179.61*
<b>Totals</b>							
	36 Area (acres)				Cut (Cu. Yds)	Fill (Cu. Yds)	Net (Cu. Yds)
		12.28	2182.21*	2878.47*	2179.61*		

**HASKELL ARCHITECTS and ENGINEERS, P.C.**  
CONNECTICUT - ARCHITECTURE and ENGINEERING LICENSE

**HASKELL**  
The Haskell Company  
1100 Main Street  
Killingly, CT 06242  
Phone # 860.734.4229

**FRITO-LAY**  
**KILLINGLY TRANSFORMATION**  
KILLINGLY, CONNECTICUT

**3401346**

**OVERALL CUT-FILL ANALYSIS PLAN**

**20-146**



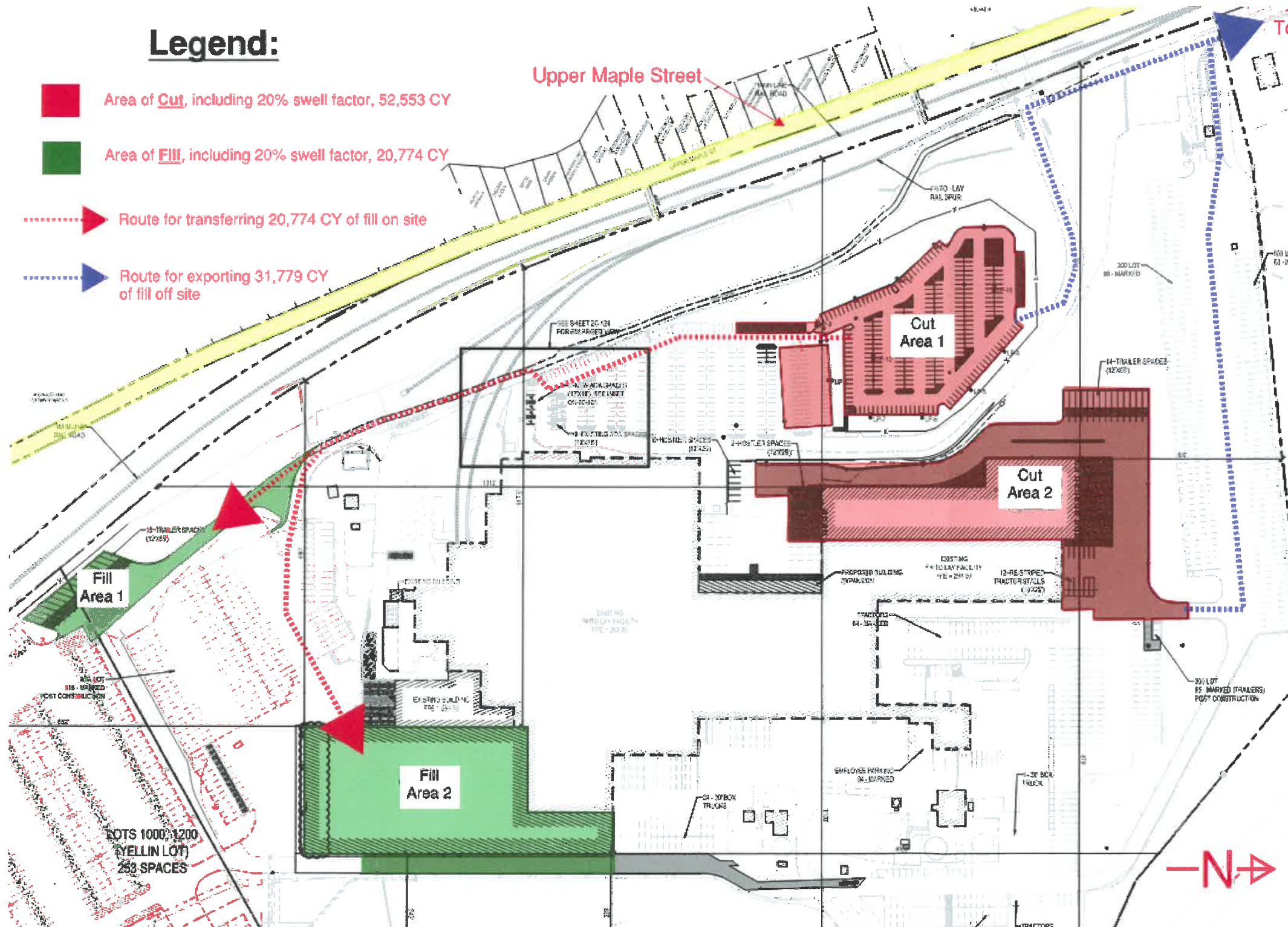


# Frito-Lay Killingly: Cut / Fill Analysis - Export

## February 8, 2022

### Legend:

- Area of **Cut**, including 20% swell factor, 52,553 CY
- Area of **Fill**, including 20% swell factor, 20,774 CY
- Route for transferring 20,774 CY of fill on site
- Route for exporting 31,779 CY of fill off site



### Exporting Fill Summary:

1. Estimated total of 31,779 CY to be exported from site.
2. Dump trucks can export 13 CY per load.
3. Average estimated trips, off site, per day is 75.
4. Maximum trips, off site, per day is 115.
5. Hours of exporting to be from 9 AM to 3 PM Monday through Friday.
6. Exporting may occur on Saturdays.
7. Type of fill
  - A. Topsoil
  - B. Structural fill
  - C. Rock, ledge or process

### Exporting Fill Timing:

1. **Cut Area 1:**
  - A. Estimated total of 15,442 CY.
  - B. Estimated export duration: 4 weeks.
2. **Cut Area 2:**
  - A. Estimated export total of 16,337 CY.
  - B. Estimated export duration: 4 weeks.

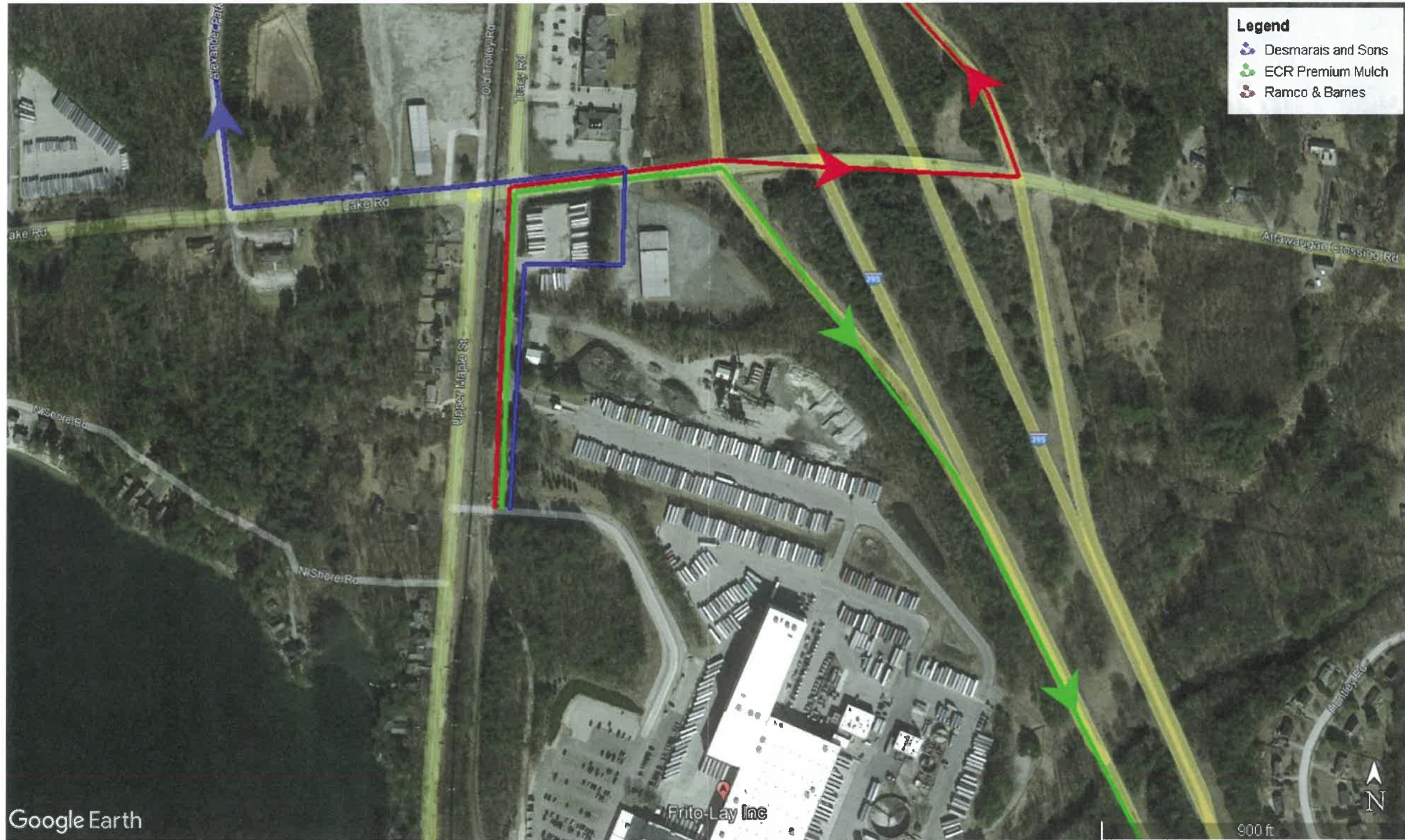






# Frito-Lay Killingly: Cut / Fill Analysis – Routes to Potential Haul Locations

February 8, 2022





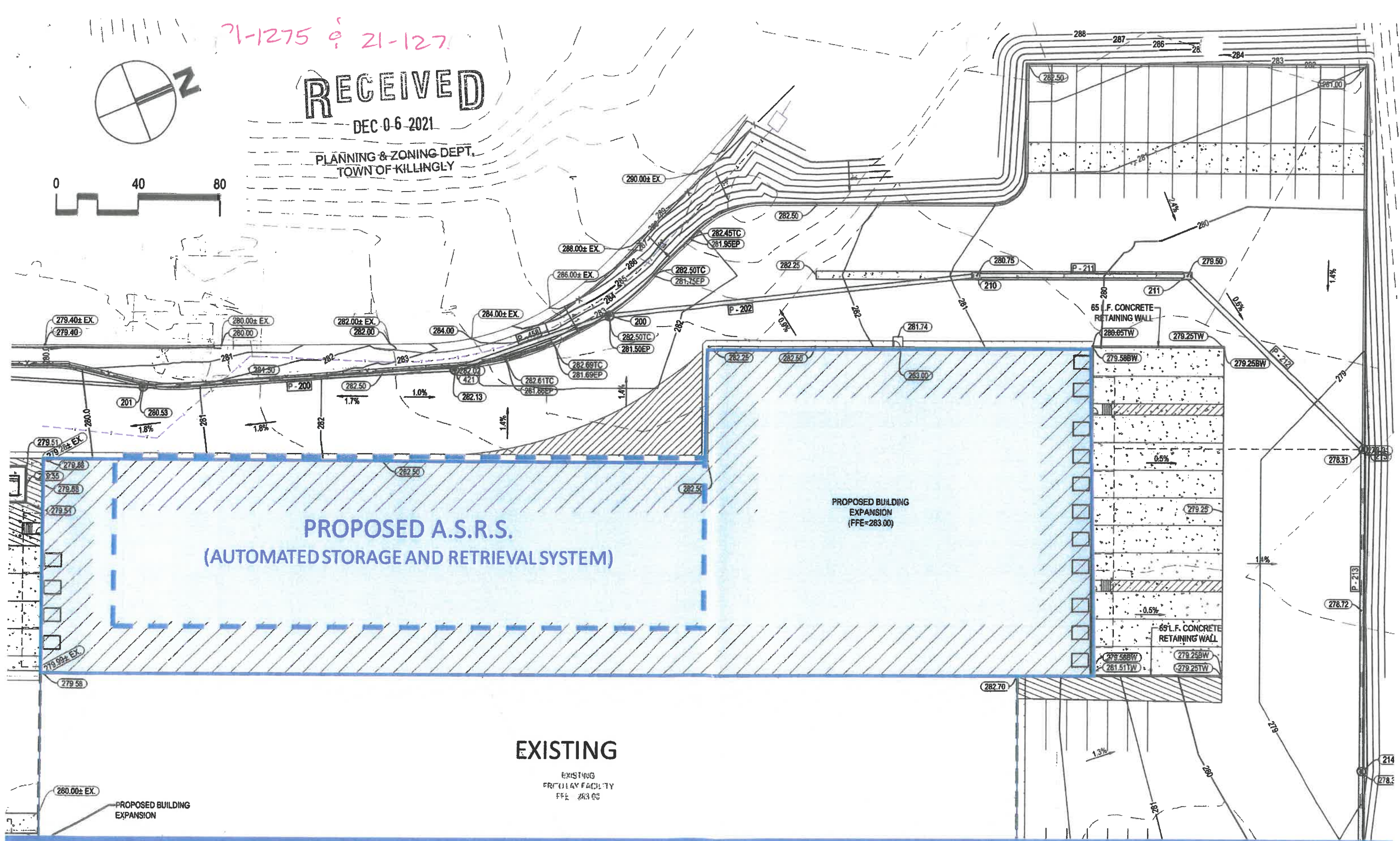
21-1275 & 21-127



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DEC-06-2021

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



**PROPOSED A.S.R.S.**  
**(AUTOMATED STORAGE AND RETRIEVAL SYSTEM)**

**PROPOSED BUILDING EXPANSION**  
**(FFE=283.00)**

**EXISTING**

EXISTING  
FRUITY FACILITY  
FFE 283.00

PROPOSED BUILDING EXPANSION







EXISTING BUILDING  
FFE = 283.00



NEW MANUFACTURING

PROPOSED BUILDING  
EXPANSION  
(FFE=283.00)

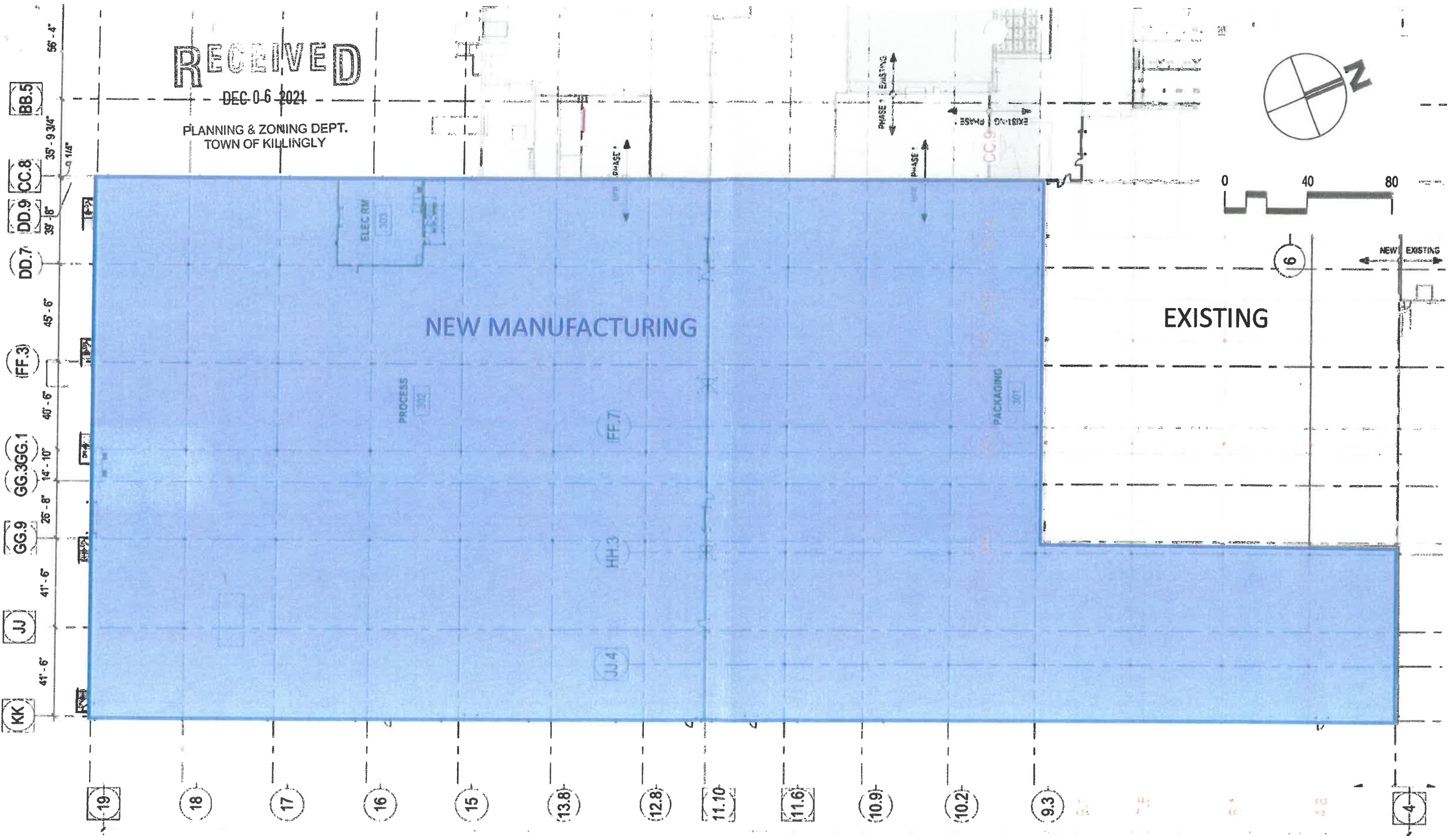
EXISTING  
**RECEIVED**  
DEC 06 2021  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



RECEIVED

DEC 06 2021

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



608'-10-3/4"



PROJECT KILLINGLY TRANSFORMATION: PHASE 2 – PLANNING & ZONING COMMISSION  
NEW MANUFACTURING FLOOR PLAN

20 DECEMBER 2021

















LUMINAIRE SCHEDULE - AUTO PARKING

TYPE	MFG	CATALOG NUMBER	FIXTURE DESCRIPTION	INPUT			MTG	REMARKS
				WATTS	VA	VOLTS		
S1	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-EGS-DOBXD	LED SITE LIGHTING LUMINAIRE	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	2E
S1B	LITHONIA	DSX1-P5-50K-TFTM-BLC-MVOLT-SPA-DOBXD	LED SITE LIGHTING LUMINAIRE (WITH OPTIMAL BACK LIGHTING CONTROL)	138 W	138 VA	277 V	18' POLE, 2' BASE, UON	2E
S2	LITHONIA	DSX1-P5-50K-TFTM-MVOLT-SPA-DOBXD	LED SITE LIGHTING LUMINAIRE (@180°)	276 W	276 VA	277 V	18' POLE, 2' BASE, UON	2E

Calculation Summary

Label	Units	Avg	Min
AUTO PARKING PHOTOMETRICS	Fc	2.01	0.1
LIGHTING TRESPASS	Fc	0.00	0.0
PROPERTY LINE	Fc	0.00	0.0



**HASKELL ARCHITECTS and ENGINEERS, P.C.**  
 CONNECTICUT - Architecture and Engineering # 0000056

The Haskell Company  
 111 Elm Street  
 Jacksonville, Florida 32202  
 Phone # (904) 791-4600



**FRITO-LAY KILLINGLY TRANSFORMATION**  
 KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
AA	P&Z SUBMISSION	12/10/2021

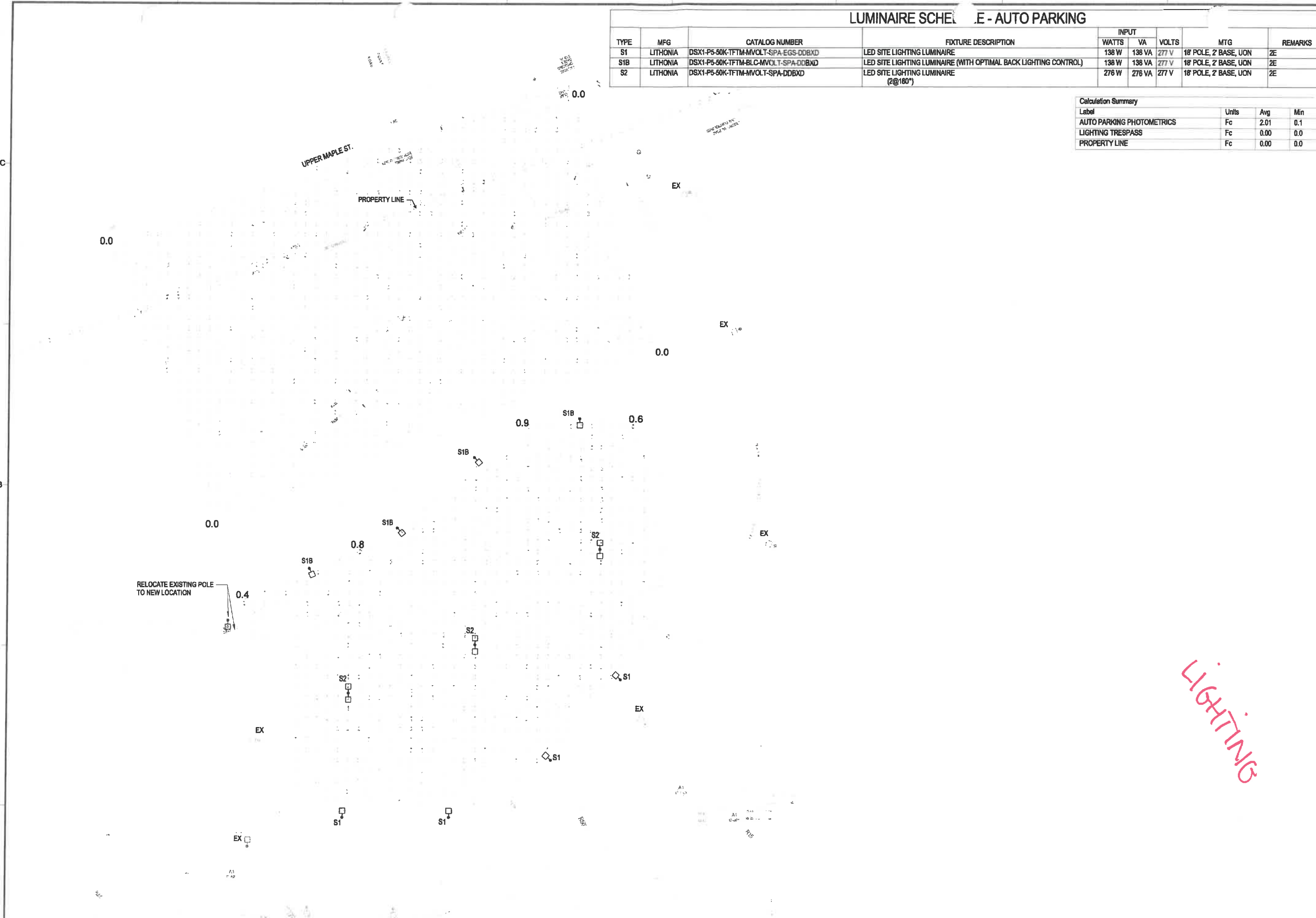
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DRAWN	CHECKED
Author	Checker

AE JOB NUMBER  
**3401365**

**AUTO PARKING LIGHTING PLAN**

**2E-125**  
 SHEET NUMBER



**AUTO PARKING SITE PHOTOMETRICS**  
 1" = 40'-0"





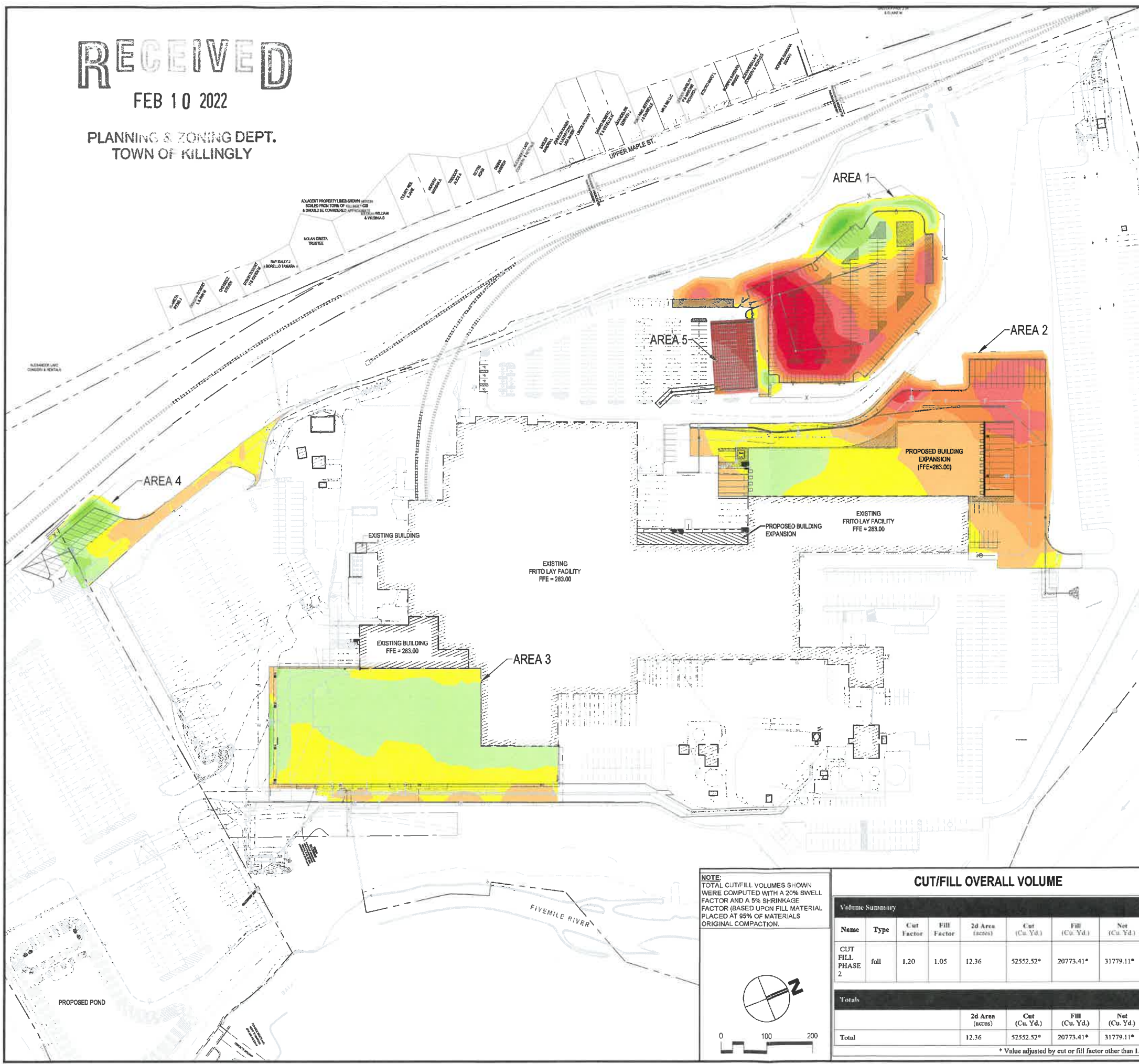




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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



### LEGEND

#### ELEVATIONS TABLE

NUMBER	MIN. ELEV.	MAX. ELEV.	AREA (SF)	VOLUME (Cu Yd)	COLOR
1	-12.93	-10.00	17587	753.04	Red
2	-10.00	-8.00	16098	1888.96	Red
3	-8.00	-6.00	35640	3311.53	Red
4	-6.00	-4.00	59799	7397.80	Orange
5	-4.00	-2.00	39586	11045.39	Orange
6	-2.00	0.00	95616	15077.31	Orange
7	0.00	2.00	129616	14125.89	Yellow
8	2.00	4.00	111228	4577.53	Yellow
9	4.00	6.00	13993	667.37	Yellow
10	6.00	8.00	2569	217.29	Yellow
11	8.00	10.00	1232	78.60	Yellow
12	10.00	12.68	559	17.71	Yellow

### CUT/FILL REPORTS

#### AREA 1

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
SurfaceAUTOCUTFILL	full	1.00	1.00	3.26	23076.50	3744.47	19332.03<Cut>	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	3.26	23076.50	3744.47	19332.03<Cut>

#### AREA 2

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
SurfaceCESGRADINGCUTFILL	full	1.00	1.00	4.45	16102.33	2843.12	13259.22<Cut>	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	4.45	16102.33	2843.12	13259.22<Cut>

#### AREA 3

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
SurfaceMFGCUTFILL	full	1.00	1.00	3.50	171.05	10695.17	10524.12<Fill>	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	3.50	171.05	10695.17	10524.12<Fill>

#### AREA 4

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
SurfaceSWTRAILERSCUTFILL	full	1.00	1.00	0.82	124.56	2501.44	2376.88<Fill>	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	0.82	124.56	2501.44	2376.88<Fill>

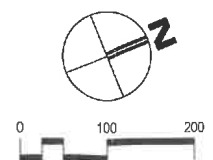
#### AREA 5

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
SurfaceCUTFILL-UNDERGRDSYS	full	1.00	1.00	0.34	4307.99	0.00	4307.99<Cut>	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	0.34	4307.99	0.00	4307.99<Cut>

**NOTE:**  
TOTAL CUT/FILL VOLUMES SHOWN WERE COMPUTED WITH A 20% SWELL FACTOR AND A 5% SHRINKAGE FACTOR (BASED UPON FILL MATERIAL PLACED AT 95% OF MATERIALS ORIGINAL COMPACTION).

### CUT/FILL OVERALL VOLUME

Volume Summary								
Name	Type	Cut Factor	Fill Factor	A <sub>2d</sub> (acres)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
CUT FILL PHASE 2	full	1.20	1.05	12.36	52552.52*	20773.41*	31779.11*	
<b>Totals</b>				<b>2d Area (acres)</b>	<b>Cut (Cu. Yd.)</b>	<b>Fill (Cu. Yd.)</b>	<b>Net (Cu. Yd.)</b>	
				Total	12.36	52552.52*	20773.41*	31779.11*



HASKELL ARCHITECTS and ENGINEERS, P.C.  
CONNECTICUT - Architecture and Engineering # 0000055



FRITO-LAY  
KILLINGLY TRANSFORMATION

No	DESCRIPTION	DATE
CC	P&Z Submission	02/07/22
BB	PROG. ISSUE	01/14/22
Z	P&Z SUBMISSION	11/05/21
Y	Progress Issue #3	11/05/21
V	Progress Issue #2	09/02/21
R	Progress Issue #1	06/13/21
Q	P&Z CI	06/06/21

DRWN BY: SBC/MSL  
CHKD BY: JRH

AE JOB NUMBER  
3401365

OVERALL CUT-FILL ANALYSIS PLAN

2C-146  
SHEET NUMBER



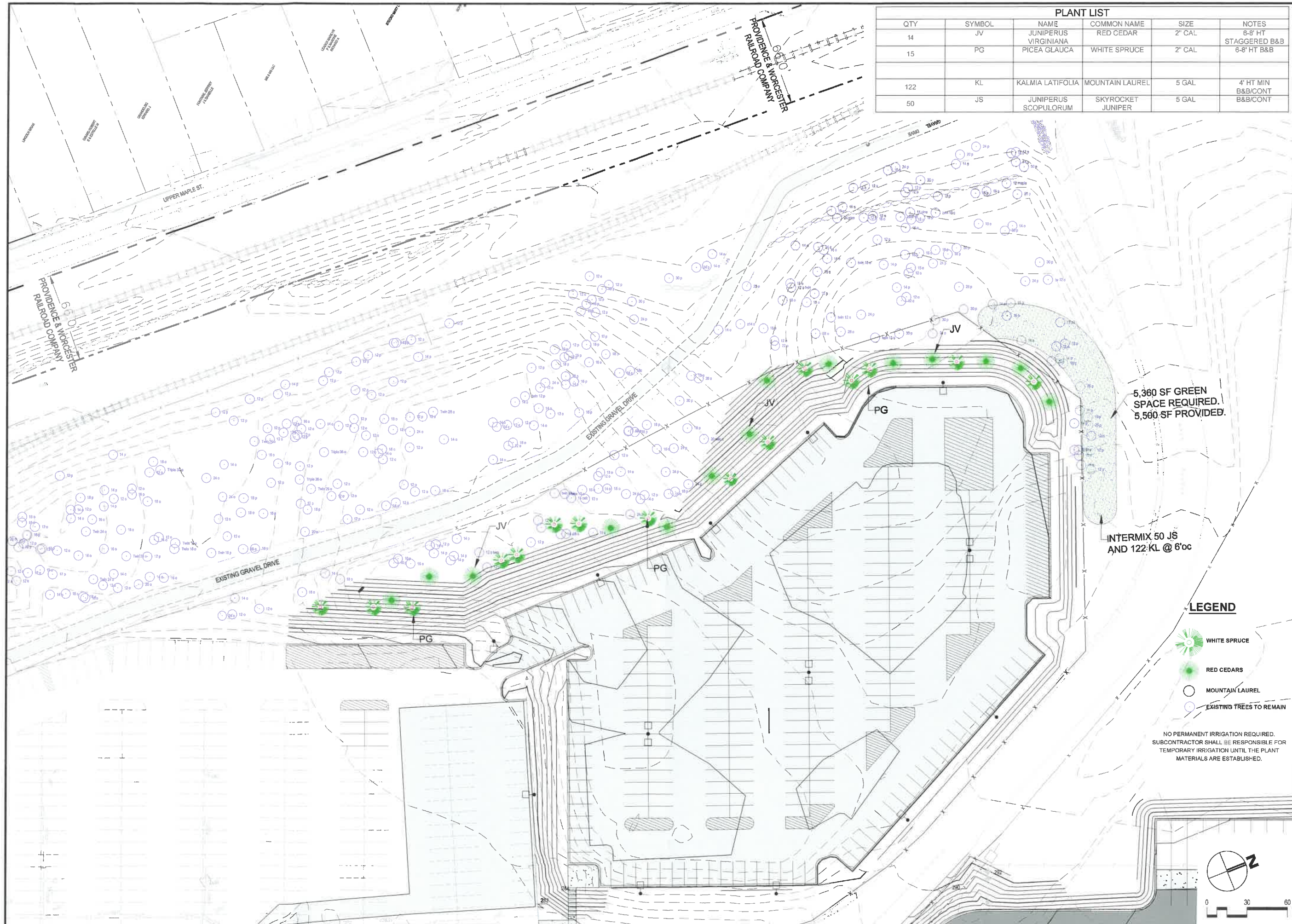
The Haskell Company  
111 Riverside Avenue  
Jacksonville, Florida 32202  
Phone # (904) 791-4600











PLANT LIST					
QTY	SYMBOL	NAME	COMMON NAME	SIZE	NOTES
14	JV	JUNIPERUS VIRGINIANA	RED CEDAR	2" CAL	8-8' HT STAGGERED B&B
15	PG	PICEA GLAUCA	WHITE SPRUCE	2" CAL	6-8' HT B&B
122	KL	KALMIA LATIFOLIA	MOUNTAIN LAUREL	5 GAL	4' HT MIN B&B/CONT
50	JS	JUNIPERUS SCOPULORUM	SKYROCKET JUNIPER	5 GAL	B&B/CONT



**HASKELL ARCHITECTS and ENGINEERS, P.C.**  
 CONNECTICUT - Architecture and Engineering # 0000056  
**HASKELL**  
 The Haskell Company  
 111 Riverside Avenue  
 Jacksonville, Florida 32202  
 Phone # (904) 791-4500

**FRITO-LAY**  
**KILLINGLY TRANSFORMATION**  
 KILLINGLY, CONNECTICUT

No	DESCRIPTION	DATE
CC	P&Z Submission	2/7/22
BB	PRG. ISSUE	01/14/22
1	P&Z Submission	11/05/21
1	Progress Issue #1	11/05/21

We hereby expressly reserve the property rights to this drawing and it is not to be reproduced, copied in any format or manner whatsoever without first obtaining our express written permission.

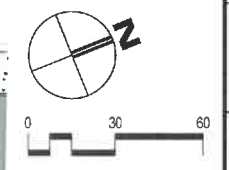
DRAWN BY: JE  
 CHECKED BY: JRFH  
 AE JOB NUMBER: 3401365

**LANDSCAPE PLAN**

**2L-121**  
 SHEET NUMBER

- LEGEND**
- WHITE SPRUCE
  - RED CEDARS
  - MOUNTAIN LAUREL
  - EXISTING TREES TO REMAIN

NO PERMANENT IRRIGATION REQUIRED.  
 SUBCONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY IRRIGATION UNTIL THE PLANT MATERIALS ARE ESTABLISHED.







FEB 10 2022

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

# Frito-Lay Killingly: Cut / Fill Analysis

February 8, 2022



**LEGEND**

ELEVATIONS TABLE						
NUMBER	MIN. ELEV.	MAX. ELEV.	MIN. CUT	MAX. FILL	CUT/FILL	STATUS
1	-0.21	-0.00	0.00	0.00	0.00	0.00
2	-0.30	-0.00	0.00	0.00	0.00	0.00
3	-0.50	-0.00	0.00	0.00	0.00	0.00
4	-0.75	-0.00	0.00	0.00	0.00	0.00
5	-1.00	-0.00	0.00	0.00	0.00	0.00
6	-1.25	-0.00	0.00	0.00	0.00	0.00
7	-1.50	-0.00	0.00	0.00	0.00	0.00
8	-1.75	-0.00	0.00	0.00	0.00	0.00
9	-2.00	-0.00	0.00	0.00	0.00	0.00
10	-2.25	-0.00	0.00	0.00	0.00	0.00
11	-2.50	-0.00	0.00	0.00	0.00	0.00
12	-2.75	-0.00	0.00	0.00	0.00	0.00
13	-3.00	-0.00	0.00	0.00	0.00	0.00

**CUT/FILL REPORTS**

**AREA 1**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
SERVICES/STORAGE	Fill	1.00	1.00	1,200	1,200.00	1,200.00	0.00
<b>Total</b>					1,200.00	1,200.00	0.00

**AREA 2**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
SERVICES/STORAGE	Fill	1.00	1.00	1,500	1,500.00	1,500.00	0.00
<b>Total</b>					1,500.00	1,500.00	0.00

**AREA 3**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
SERVICES/STORAGE	Fill	1.00	1.00	2,000	2,000.00	2,000.00	0.00
<b>Total</b>					2,000.00	2,000.00	0.00

**AREA 4**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
SERVICES/STORAGE	Fill	1.00	1.00	1,000	1,000.00	1,000.00	0.00
<b>Total</b>					1,000.00	1,000.00	0.00

**AREA 5**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
SERVICES/STORAGE	Fill	1.00	1.00	500	500.00	500.00	0.00
<b>Total</b>					500.00	500.00	0.00

**CUT/FILL OVERALL VOLUME**

Name	Type	Cut Factor	Fill Factor	Area (sq. ft.)	Cut (cu. yd.)	Fill (cu. yd.)	Net (cu. yd.)
<b>Total</b>					5,200.00	5,200.00	0.00

HASKELL ARCHITECTS and ENGINEERS, P.C.  
CONNECTICUT - ARCHITECTURE AND ENGINEERING LICENSE NO. 3401385

**HASKELL**

FRITO-LAY  
KILLINGLY TRANSFORMATION  
KILLINGLY, CONNECTICUT

DATE: 02/08/22  
SCALE: AS SHOWN  
PROJECT NO.: 20-146

**OVERALL CUT-FILL ANALYSIS PLAN**  
**20-146**

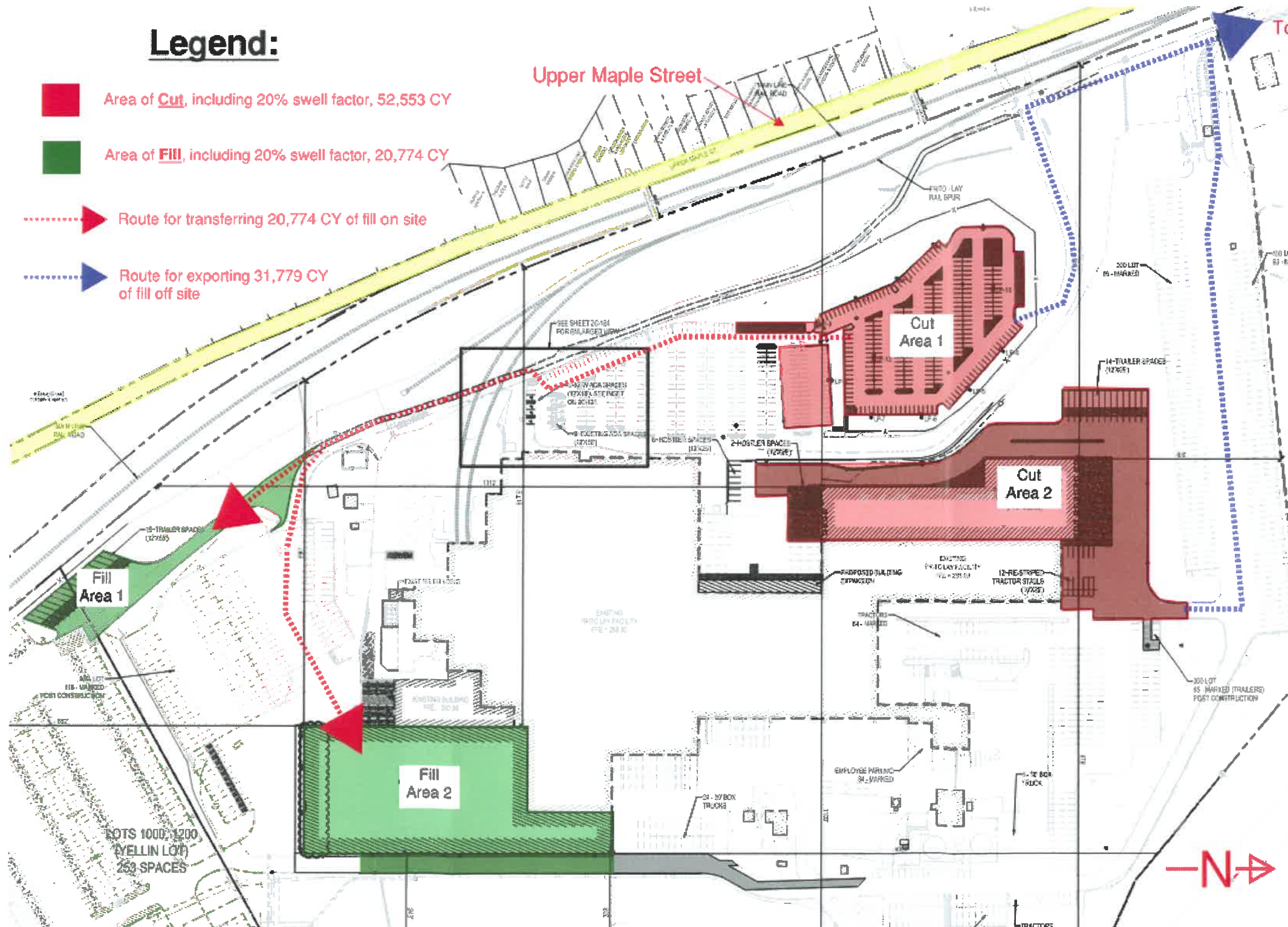


# Frito-Lay Killingly: Cut / Fill Analysis - Export

February 8, 2022

## Legend:

- Area of **Cut**, including 20% swell factor, 52,553 CY
- Area of **Fill**, including 20% swell factor, 20,774 CY
- ⋯→ Route for transferring 20,774 CY of fill on site
- ⋯→ Route for exporting 31,779 CY of fill off site



## Exporting Fill Summary:

1. Estimated total of 31,779 CY to be exported from site.
2. Dump trucks can export 13 CY per load.
3. Average estimated trips, off site, per day is 75.
4. Maximum trips, off site, per day is 115.
5. Hours of exporting to be from 9 AM to 3 PM Monday through Friday.
6. Exporting may occur on Saturdays.
7. Type of fill
  - A. Topsoil
  - B. Structural fill
  - C. Rock, ledge or process

## Exporting Fill Timing:

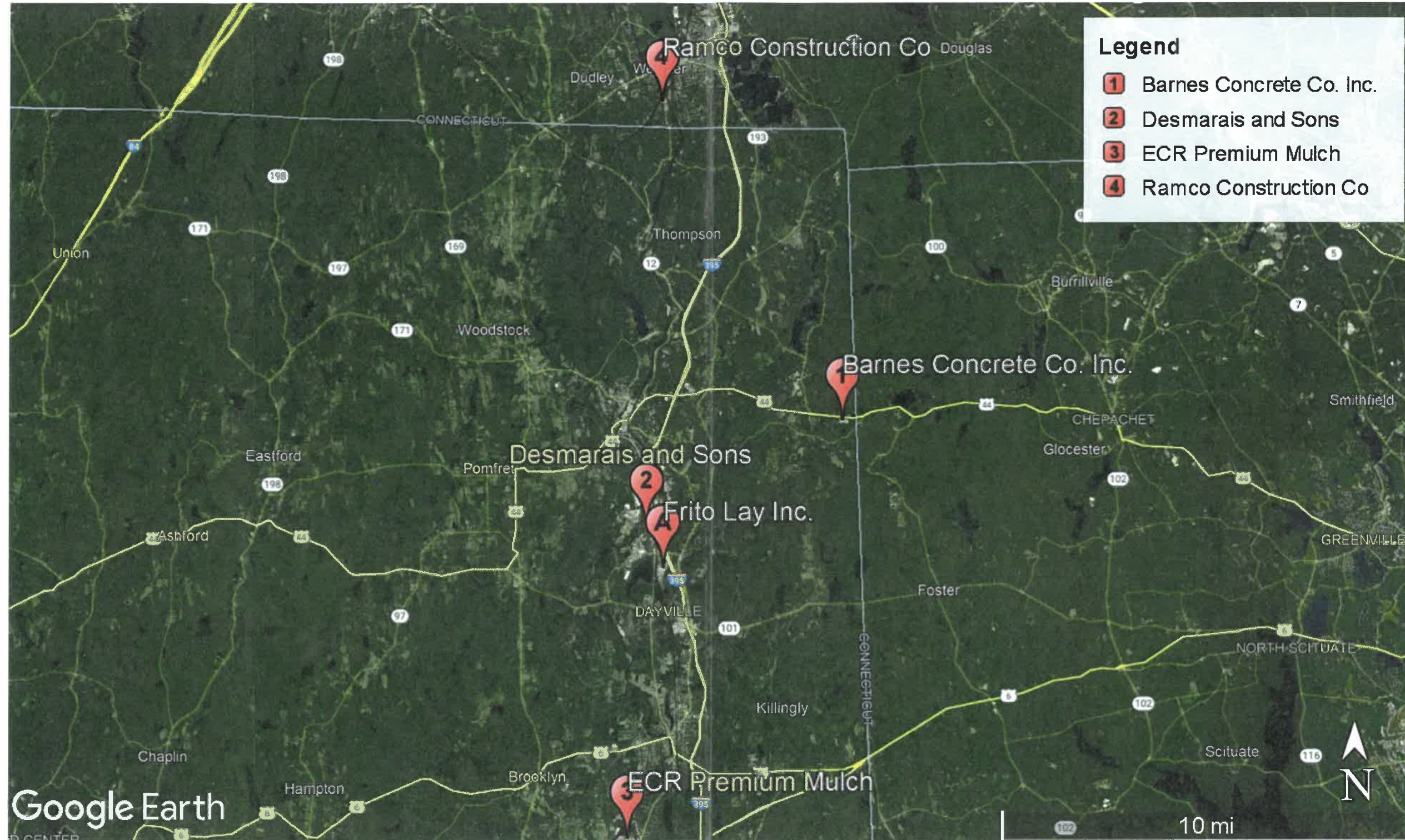
1. **Cut Area 1:**
  - A. Estimated total of 15,442 CY.
  - B. Estimated export duration: 4 weeks.
2. **Cut Area 2:**
  - A. Estimated export total of 16,337 CY.
  - B. Estimated export duration: 4 weeks.





# Frito-Lay Killingly: Cut / Fill Analysis – Potential Haul Locations

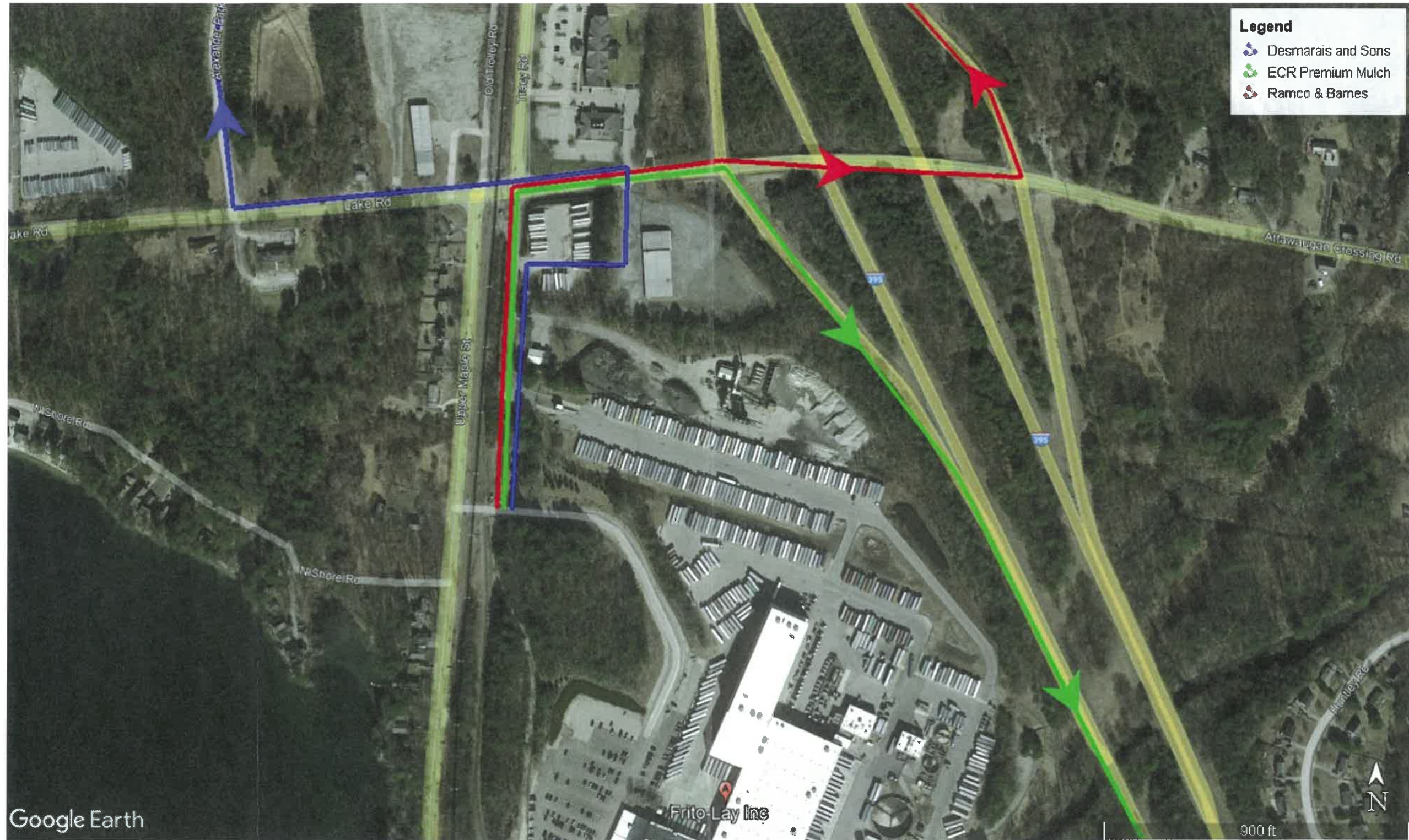
February 8, 2022





# Frito-Lay Killingly: Cut / Fill Analysis – Routes to Potential Haul Locations

February 8, 2022





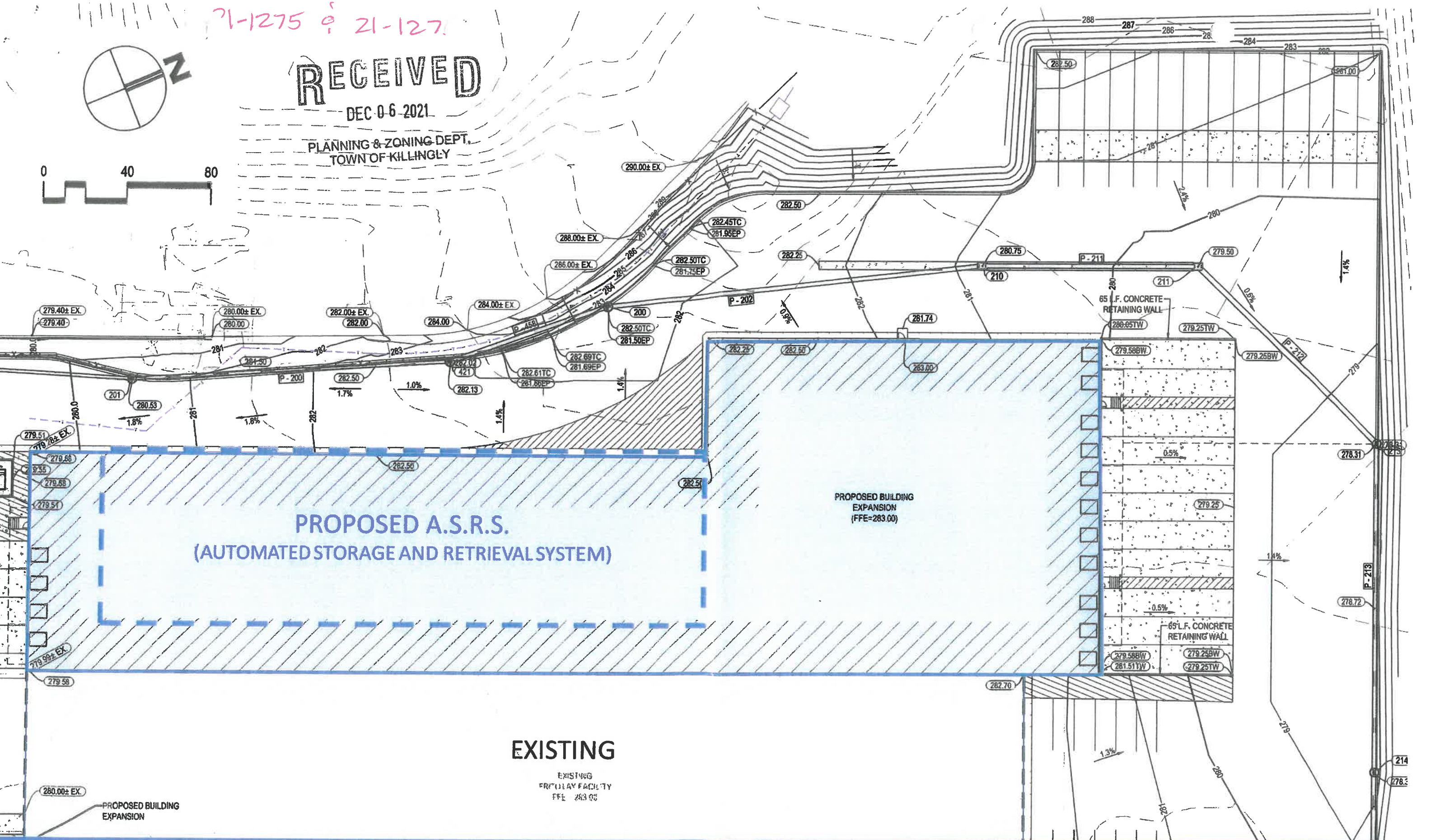
21-1275 & 21-127



**RECEIVED**

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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



**PROPOSED A.S.R.S.**  
**(AUTOMATED STORAGE AND RETRIEVAL SYSTEM)**

**PROPOSED BUILDING EXPANSION**  
**(FFE=283.00)**

**EXISTING**

EXISTING  
PRIVILEY FACILITY  
FFE 283.00

PROPOSED BUILDING EXPANSION







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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

P.7

N.1

M.1

L.2

K.6

J.3

6.85

7.4

8

8.5

8.8

10.6

11

12

13.1

13.2

13.3

13.4

13.45

13.5

13.55

13.6

13.63

13.65

13.7

13.8

13.9

13.95

14

14.9

15.1

15.2

16

MAINT. AISLE

36'-5-1/4"

ASRS

288'-10"

LOWBAY

188'-1-1/2"

ELECT. ROOM 108

MAINT. AISLE 107

PROPOSED A.S.R.S.  
(AUTOMATED STORAGE AND RETRIEVAL SYSTEM)

ASRS 106

LOWBAY 101

LOW ROOF

HIGH ROOF

CONNECTOR 106

56'-2"

24'-0" 26'-3 1/2" 56'-0" 25'-6" 24'-6 1/2"

S.9

S

P.9

N.2

M.3

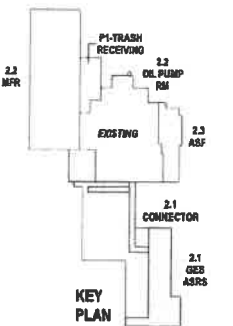
L.3

K.6

EXISTING

J.3 K.3

H.3



PROJECT KILLINGLY TRANSFORMATION: PHASE 2 – PLANNING & ZONING COMMISSION

NEW ASRS FLOOR PLAN

20 DECEMBER 2021







EXISTING BUILDING  
FFE = 283.00

NEW MANUFACTURING

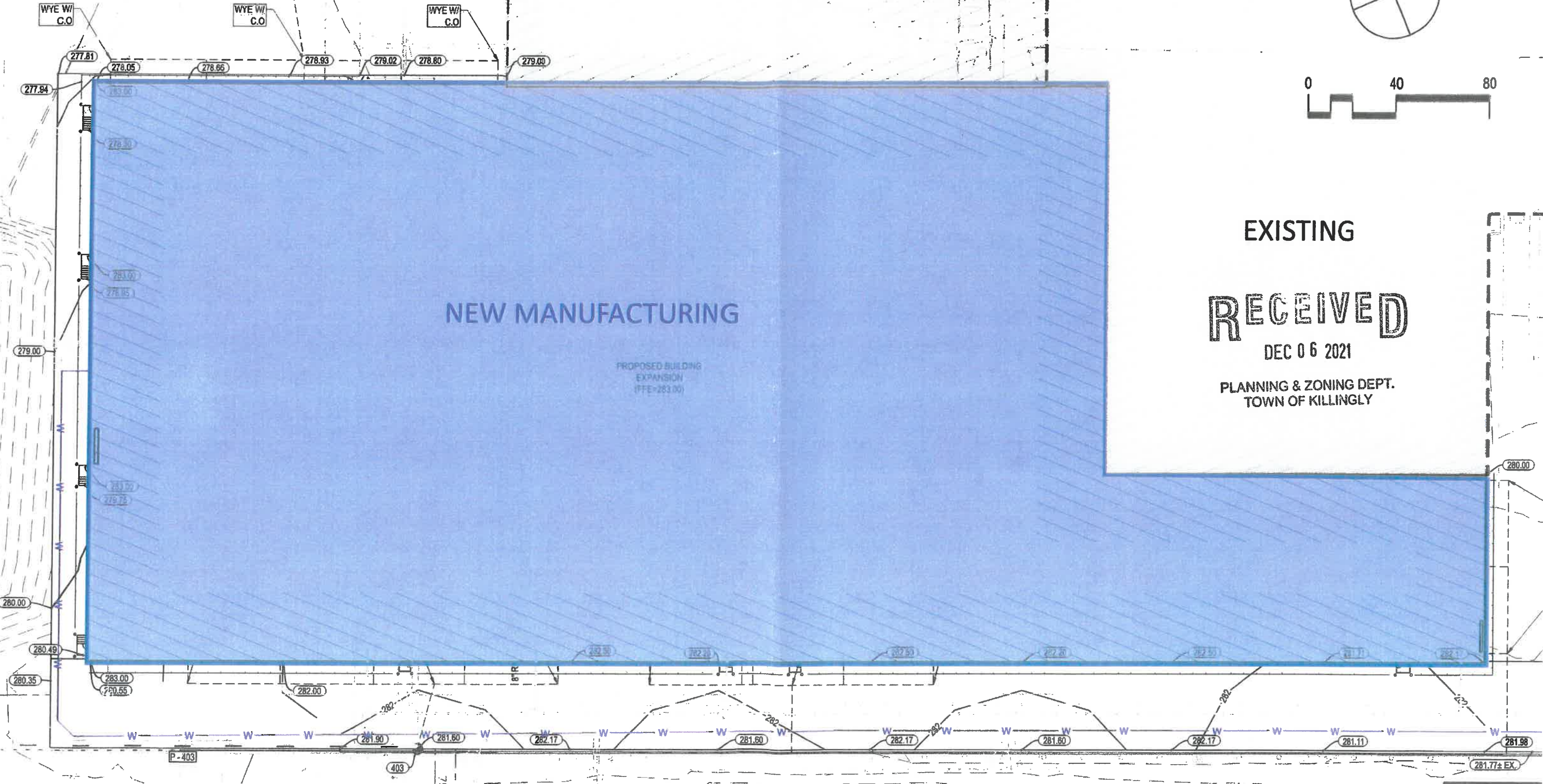
PROPOSED BUILDING  
EXPANSION  
FFE = 283.00

EXISTING

RECEIVED

DEC 06 2021

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

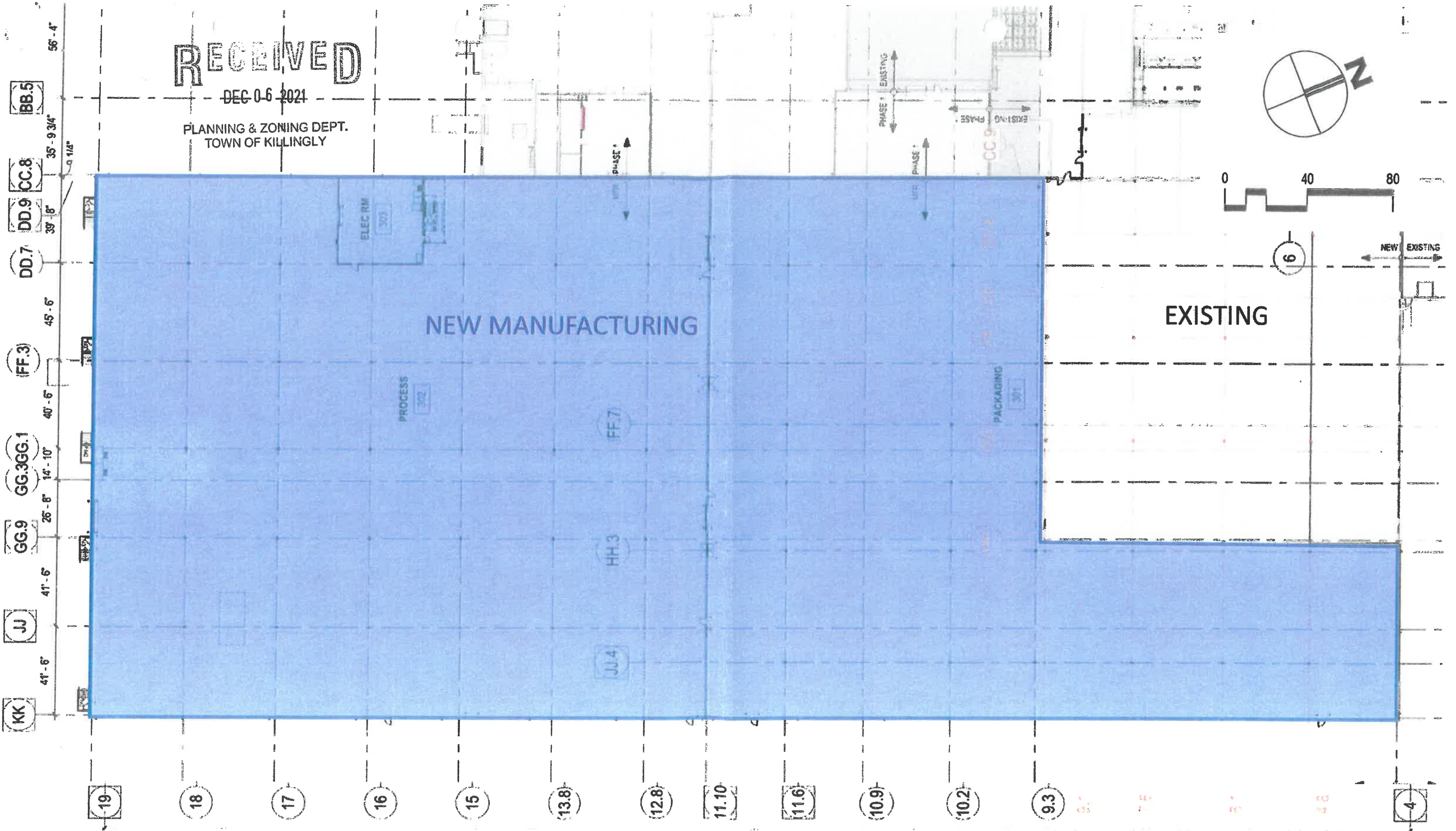




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PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



608'-10-3/4"



















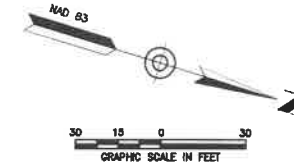


n/f AREA = 3.872 ACRES  
(168,685 S.F.)

CURVE DATA	
C1 R = 691.80' D = 21°41'41" L = 261.85' CH = N 38°13'08" W 280.38'	C2 R = 691.80' D = 7°53'07" L = 95.21' CH = S 23°25'44" E 95.13'

LINE DATA	
L1	N 72°15'34" E 5.68'



TEST HOLE DATA - December 15, 2017  
Northwest District Department of Health - Brittany Otto

TEST PIT	DEPTH	PROFILE
1	0" - 10"	Fill
	10" - 17"	Original Topsoil
	17" - 35"	Red-brown sandy loam w/gravel
	35" - 56"	Tan coarse loamy sand
	56" - 87"	Gray silty sand
	Note: SE side of pit disturbed soil to 53"	
Ledge	N/A	87"
GWT		
2	0" - 9"	Fill
	9" - 13"	Topsoil
	13" - 36"	Fill
	36" - 51"	Red/brown coarse loamy sand
	51" - 85"	Gray fine loamy sand with gravel
	85" - 85"	Moist gray loamy sand
Ledge	N/A	87"
GWT		

PERCOLATION TEST RESULT - December 16, 2017  
Northwest District Department of Health - Brittany Otto

Depth = 48" Rate = 2.1 min./in.

Time	Reading
10:09	3.75"
10:10	5.0"
10:11	6.0"
10:12	6.75"
10:15	7.5"
10:17	8.75"
10:18	8.5"

SURFACE COVERAGE TABLE

Pavement/Millings	47,692 S.F.
Buildings	42,100 S.F.
Crushed Stone	30,172 S.F.
Grassed/Landscape	48,821 S.F.
<b>Total Impervious Surface</b>	<b>= 89,692 S.F.</b>

TABLE OF ZONING REQUIREMENTS

ZONE = GENERAL COMMERCIAL (GC)

	REQUIRED	PROVIDED
Lot Area	40,000 S.F.	168,685 S.F.
Front Yard Setback	50'	81'
Side Yard Setback	25'	26.3'
Rear Yard Setback	30'	31'
Building Height	40' Max.	27' (Existing)
Lot Coverage	75% Max.*	53.2%

\*75% Max. permitted with Commission approval of Special Permit

DATE	DESCRIPTION
01/18/2022	FINAL PLAN REVIEW
01/03/2022	LANDSCAPE MODIFICATIONS
	REVISIONS

SITE DEVELOPMENT PLAN  
PREPARED FOR  
**AMERICAN STORAGE CENTERS, LLC**  
551 WESTCOTT ROAD (SR 607)  
KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
Civil Engineering & Surveying

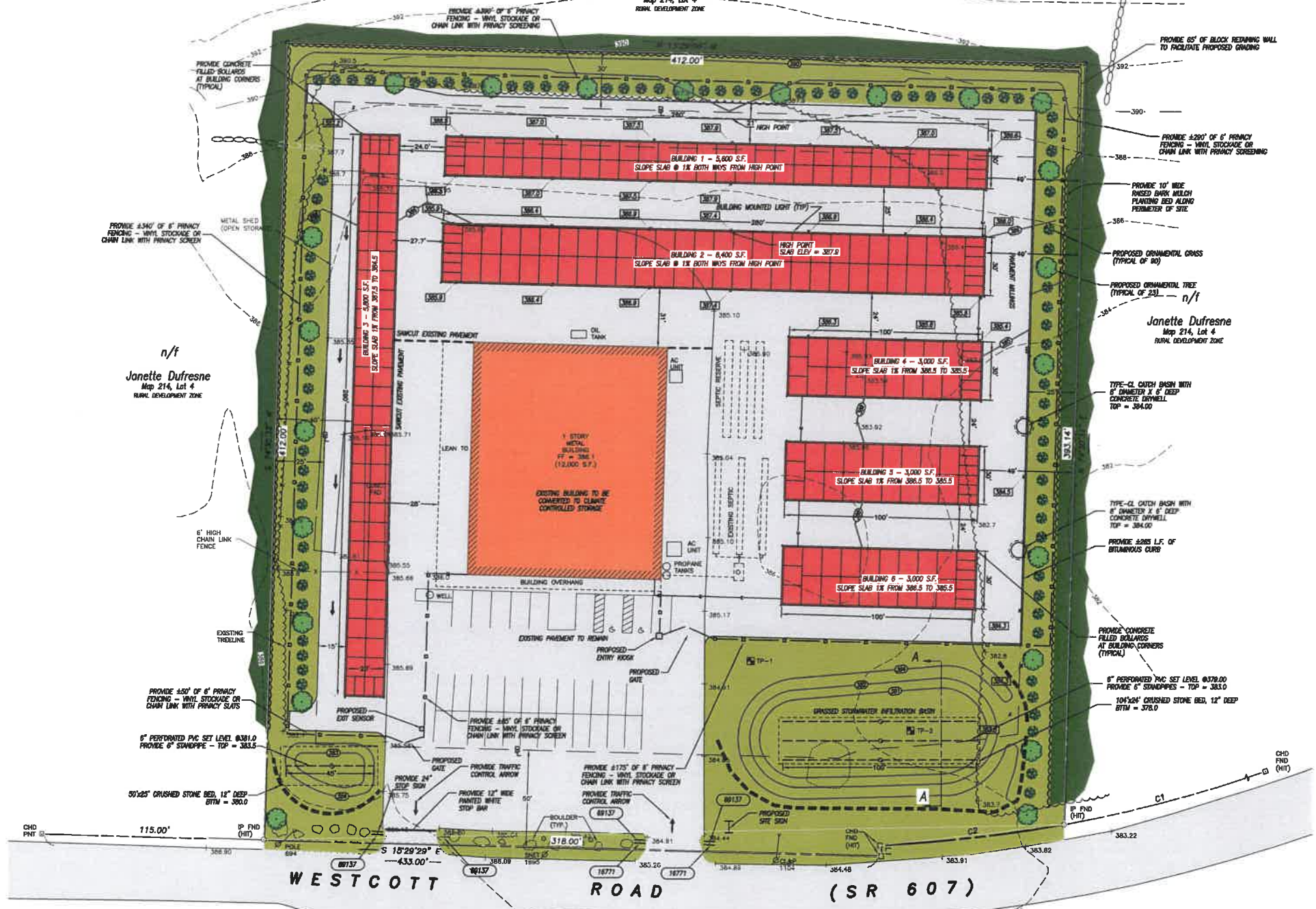
114 Westcott Road  
P.O. Box 421  
Killingly, Connecticut 06241  
(860) 779-7299  
www.killinglyeng.com

DATE: 10/14/2021	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NBLT
SHEET: 2 OF 4	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 17157

**BEFORE YOU DIG  
CALL BEFORE YOU DIG**  
AT LEAST TWO FULL BUSINESS DAYS  
BEFORE DIGGING OR DISTURBING EARTH  
DIAL 811 OR 1-800-922-4455

**RECEIVED**  
JAN 18 2022  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

NORMAN E. THIBEAULT, JR., P.E. DATE



n/f  
Rolgate, Inc.  
Map 214, Lot 6  
GENERAL COMMERCIAL ZONE

n/f  
Kevin S. Griffiths &  
Paula C. Griffiths  
Map 203, Lot 21  
RURAL DEVELOPMENT ZONE

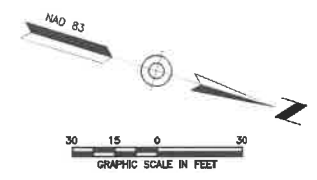
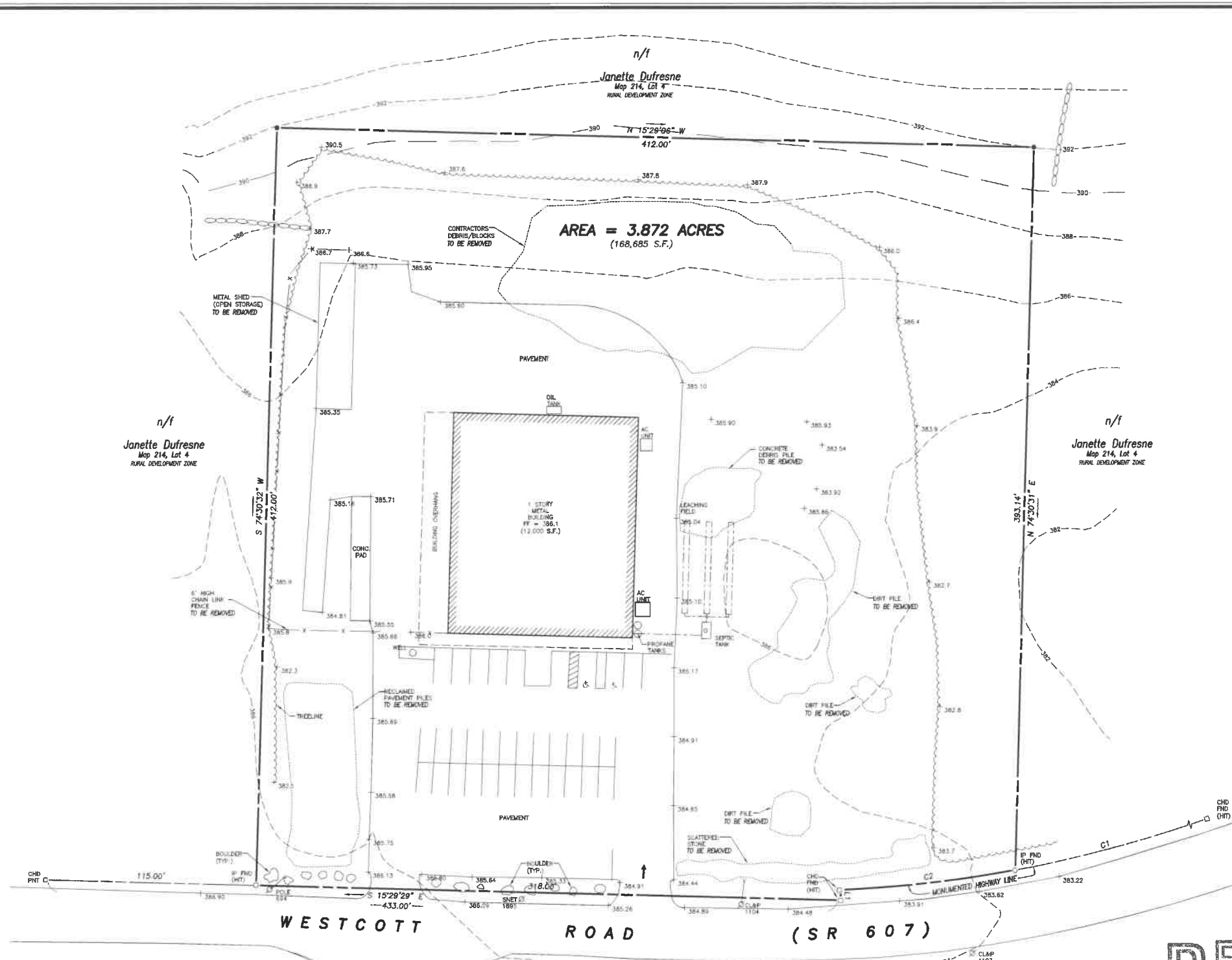
APPROVED BY THE TOWN OF  
KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: \_\_\_\_\_  
Applicant: AMERICAN STORAGE CENTERS, LLC  
Date Approved: \_\_\_\_\_  
Chairman: \_\_\_\_\_  
Date: \_\_\_\_\_

K:\17157\Drawings\2021\_Mid Storage\SP\_Color.dwg Jan 18, 2022 2:51 PM

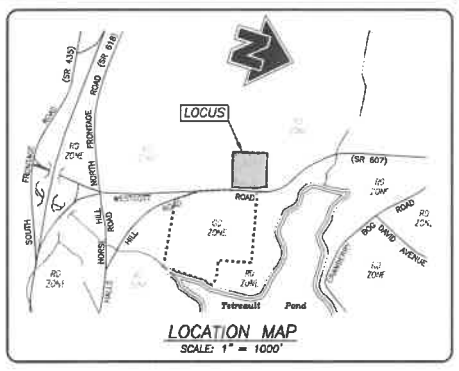


K:\17157\Drawings\2022\Mini Storage\01\_Engineering\161.dwg Jan 18, 2022 - 2:07 PM



CURVE DATA	
C1	C2
R = 691.80'	R = 891.80'
D = 21°41'41"	D = 75°31'07"
L = 261.95'	L = 95.21'
CH = N 38°13'08" W 260.38'	CH = S 23°25'44" E 95.13'

LINE DATA	
L1	N 72°15'34" E 5.68'



- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 30-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
    - This survey conforms to a Class "A-2" horizontal accuracy.
    - Topographic features conform to a Class "T-D" vertical accuracy.
    - Survey Type: Property Survey.
    - Boundary Determination Category: Dependent Resurvey.
  - Zone = GC.
  - Owner of record: American Sports Centers, Inc.  
174 Cranberry Bog Road, Killingly, CT 06239  
See Volume 1310, Page 109
  - Parcel is shown as Lot #5 on Assessors Map #214.
  - Elevations shown are based on North American Vertical Datum of 1988 (NAVD 88). Contours taken from the Town of Killingly's GIS data and supplemented with actual field survey. Contour interval = 2'.

- MAP REFERENCES:**
- "Connecticut state Highway Department - Right of Way Map Town of Killingly - Danielson - So. Killingly Road from Stearns St. Southeastery to South Killingly - Route U.S.6. - Scale: 1" = 40' - Date: Aug. 31, 1936 - Number 68-04 - Sheet No. 3 of 5.
  - "Survey Plan - Prepared for - Joseph Rainone Jr. - Route #6A Killingly, Connecticut - Scale: 1" = 40' - Date: 6/11/1985 Revised to: 3/27/1991 - Sheet 1 of 1 - Prepared by: Kiatyka, Woodis & Pike. On file in the Town of Killingly Land Records as map S-141.

DATE	DESCRIPTION
01/18/2022	FINAL PLAN REVIEW
01/03/2022	LANDSCAPE MODIFICATIONS
DATE	DESCRIPTION
	REVISIONS

RECEIVED

JAN 18 2022

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

IMPROVEMENT LOCATION SURVEY  
SHOWING EXISTING CONDITIONS  
PREPARED FOR

**AMERICAN STORAGE  
CENTERS, LLC**

551 WESTCOTT ROAD (SR 607)  
KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
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DATE: 10/14/2021	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 1 OF 4	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 17157

**APPROVED BY THE TOWN OF  
KILLINGLY PLANNING AND ZONING COMMISSION**

Special Permit No: \_\_\_\_\_

Applicant: **AMERICAN STORAGE CENTERS, LLC**

Date Approved: \_\_\_\_\_

Chairman: \_\_\_\_\_

Date: \_\_\_\_\_

**LEGEND**

CONC	CONCRETE
●	IRON PIN TO BE SET
○	IRON PIN FOUND
□	CHD MONUMENT FOUND
□	CHD MONUMENT POINT
□	ELECTRIC HANDHOLE
— — — — —	EXISTING CONTOURS
○○○○○○○○	STONE WALL

n/f  
**Rolgate, Inc.**  
Map 214, Lot 6  
GENERAL COMMERCIAL ZONE

n/f  
**Kevin S. Griffiths &  
Paula C. Griffiths**  
Map 203, Lot 21  
RURAL DEVELOPMENT ZONE

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE \_\_\_\_\_

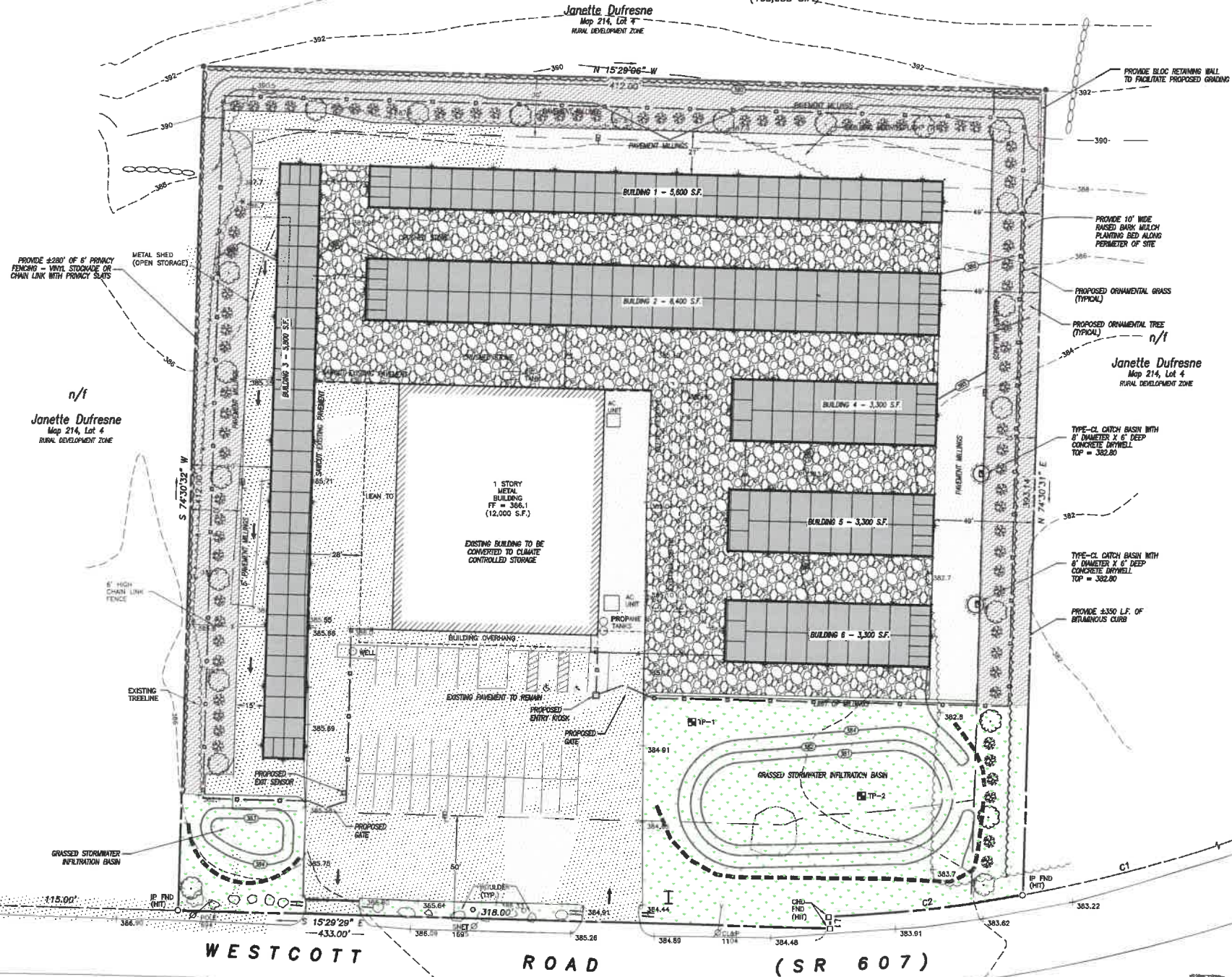
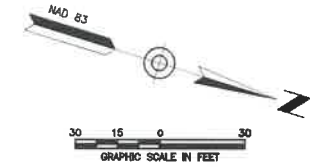
NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.





n/f AREA = 3,872 ACRES  
(168,685 S.F.)

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BEFORE DIGGING OR DISTURBING EARTH  
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\*75% Max. permitted with Commission approval of Special Permit

DATE	DESCRIPTION
01/18/2022	FINAL PLAN REVIEW
01/03/2022	LANDSCAPE MODIFICATIONS
DATE	DESCRIPTION
	REVISIONS

**RECEIVED**  
JAN 18 2022  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

SURFACE COVERAGE PLAN  
PREPARED FOR  
**AMERICAN STORAGE CENTERS, LLC**  
551 WESTCOTT ROAD (SR 607)  
KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
Civil Engineering & Surveying  
114 Westcott Road  
P.O. Box 421  
Killingly, Connecticut 06241  
(860) 779-7299  
www.killinglyengineering.com

DATE: 10/14/2021	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 3 OF 4	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 17157

APPROVED BY THE TOWN OF  
KILLINGLY PLANNING AND ZONING COMMISSION  
Special Permit No: \_\_\_\_\_  
Applicant: AMERICAN STORAGE CENTERS, LLC  
Date Approved: \_\_\_\_\_  
Chairman: \_\_\_\_\_  
Date: \_\_\_\_\_

NORMAN E. THEBAULT, JR., P.E. DATE

K:\17157\Drawings\2022\_Mid\_Spring\03\_Surface.dwg Jan 16, 2022 - 2:08 PM



**EROSION AND SEDIMENT CONTROL PLAN**

**REFERENCE IS MADE TO:**

1. Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
2. U.S.D.A. N.R.C.S. Web Soil Survey.

**DEVELOPMENT CONTROL PLAN:**

1. Development of the site will be performed by the Contractor, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
2. The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town of Killingly will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures will not be removed until this inspection is complete.
3. All stripping is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
4. Dust control will be accomplished by spraying with water. The application of calcium chloride is not permitted adjacent to wetland resource areas or within 100' of these areas.
5. The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
6. Final stabilization of the site is to follow the procedures outlined in "Permanent Vegetative Cover". If necessary a temporary vegetative cover is to be provided until a permanent cover can be applied.

**SILT FENCE INSTALLATION AND MAINTENANCE:**

1. Dig a 6" deep trench on the uphill side of the barrier location.
2. Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
3. Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
4. Inspect and repair barrier after heavy rainfall.
5. Inspections will be made of least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
6. Sediment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the inland wetlands commission.
7. Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when sediment falls to be retained by the fence because:
  - the fence has been overtopped, undercut or bypassed by runoff water,
  - the fence has been moved out of position (knocked over), or
  - the geotextile has decomposed or been damaged.

**HAY BALE INSTALLATION AND MAINTENANCE:**

1. Bales shall be placed as shown on the plans with the ends of the bales tightly abutting each other.
2. Each bale shall be securely anchored with at least 2 stakes and gaps between bales shall be wedged with straw to prevent water from passing between the bales.
3. Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs.
4. Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the inland wetlands commission.
5. Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment falls to be retained by the barrier because:
  - the barrier has been overtopped, undercut or bypassed by runoff water,
  - the barrier has been moved out of position, or
  - the hay bales have deteriorated or been damaged.

**TEMPORARY VEGETATIVE COVER:**

**SEED SELECTION**

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figures TS-2 in the 2002 Guidelines.

**TIMING CONSIDERATIONS**

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

**SITE PREPARATION**

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

**SEEDBED PREPARATION**

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently knocked or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is graded, the disc marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10-10-10 or equivalent. Additionally, lime may be applied using rates given in Figure TS-1 in the 2002 Guidelines.

**SEEDING**

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

**MULCHING**

Temporary seedings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 90%-100% coverage.

**MAINTENANCE**

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and till erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent recurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive adverse weather conditions (approximately 60% vegetative cover).

**PERMANENT VEGETATIVE COVER:**

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

1. Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
2. Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
3. Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1000 s.f. Apply 10-10-10 fertilizer or equivalent at a rate of 300 lbs. per acre or 7.5 lbs. per 1000 s.f. Work lime and fertilizer into the soil to a depth of 4".
4. Inspect seedbed before seeding. If traffic has compacted the soil, retille compacted areas.
5. Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 - October 1.
6. Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

**DEVELOPMENT SCHEDULE/SEQUENCE OF OPERATIONS:**

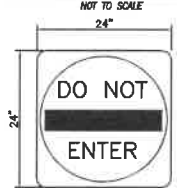
1. Flag the limits of disturbance and schedule preconstruction meeting with Town of Killingly Zoning Officer.
2. Contact utility companies for scheduling installation of utilities and connections.
3. Cut trees and brush within the defined clearing limits and remove the cut wood.
4. Install perimeter erosion and sedimentation controls in accordance with the site development plan.
5. Chip brush and slash, stockpile chips for use on site or remove off site.
6. Remove tree stumps and dispose of at an approved disposal site. Alternatively, stumps may be chipped in place. No stumps shall be buried on site.
7. Strip and stockpile topsoil that is within the footprint of the site. Surround stockpile with silt fence or staked haybales, and apply temporary seeding in accordance with recommended mixture. Divert runoff around the perimeter of the stockpile.
8. Make all required cuts and fills. Establish the subgrade for the driveway as required and install additional erosion controls as necessary and as shown on the plans.
9. Inspect perimeter erosion and sedimentation controls weekly and after rain events in excess of 0.5". Repair any damaged controls and provide additional erosion control devices as necessary to address areas of concentrated runoff that may develop as a result of the construction activities. The contractor shall review discharge conditions with the design engineer or the Town of Killingly prior to installing additional erosion controls. Apply water as necessary for dust control.
10. Install utilities to within 10' of proposed buildings.
11. Prepare for access drives and remainder of the site for final grading.
12. Excavate for building footings, stockpile soil and pour footings & slabs. Begin building construction.
13. Place topsoil where required and install any proposed landscaping upon completion of each building.
14. Install first course of pavement millings to each building as they are completed.
15. When the remainder of the site work is near completion, sweep all paved areas for the final course of paving. Inspect erosion controls and remove any accumulated sediment.
16. Install final course of pavement millings upon the completion of the final structure.
17. Fine grade, rake, seed and mulch to within 2' of the pavement millings.
18. Remove and dispose of all silt fence and hay bales after the site has been stabilized to the satisfaction of the Town of Killingly.

**RESPONSIBLE PARTY FOR E&S MAINTENANCE:**

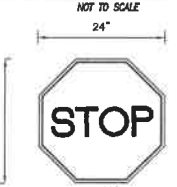
Robert Liebscher  
American Storage Centers, LLC  
174 Cranberry Bog Road  
Danielson, CT 06241  
860-481-0108



**ENTER HERE SIGN DETAIL**



**DO NOT ENTER SIGN DETAIL**

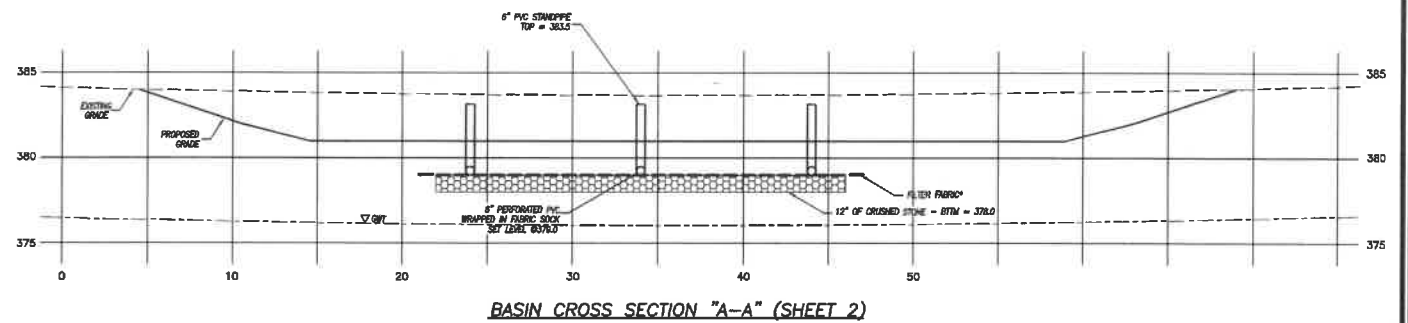


**STOP SIGN**

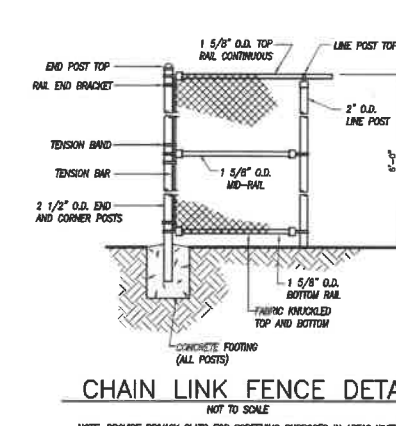
NOTE: ALL SIGNS SHALL BE MOUNTED ON BREWERY POSTS

**CONSTRUCTION NOTES/GENERAL PROVISIONS**

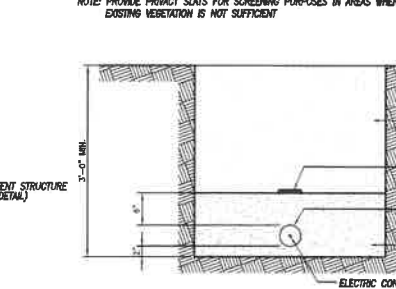
1. The locations of existing utilities are based upon visible field observations, record mapping and interviews with the property owner and abutting property owners. They are shown for informational purposes only. Contractor shall coordinate exploratory test hole excavation with the Engineer if necessary to verify and/or determine actual locations of some utilities & structures. It is the responsibility of the contractor to verify the location and elevation of all utilities. Contact "CALL BEFORE YOU DIG" at 1-800-922-4455, and obtain all applicable permits, prior to any excavation around utilities.
2. All existing site features not scheduled to remain shall be removed and disposed of in a proper manner, by the contractor.
3. All materials and methods of construction shall conform to State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817, and supplements thereto.
4. The Contractor shall obtain copies of all regulatory agency permits from the Owner prior to any site disturbance.
5. Unless otherwise noted on the plans, the contractor shall use the geometry provided on the construction plans. Benchmark information shall be provided to the contractor by the Owner or the Owner's surveyor. Any discrepancies between field measurements and construction plan information shall be brought to the attention of the Engineer or Surveyor immediately.
6. The Contractor shall not revise elevations or locations of items shown on the plans without written consent of the project Engineer or Surveyor.
7. The Contractor shall protect benchmarks, property corners, and other survey monuments from damage or displacement. If a marker needs to be removed, it shall be referenced by a licensed land surveyor and replaced as necessary by the same.
8. The Contractor shall be responsible for preparing and compacting base for proposed pavement. Owner shall provide general fill to establish subgrade as necessary to address areas of concentrated runoff that may develop as a result of the construction activities. The contractor shall review discharge conditions with the design engineer or the Town of Killingly prior to installing additional erosion controls. Apply water as necessary for dust control.
9. The entire project site shall be thoroughly cleaned at the completion of the work. Clean all installed paved areas, accumulated silt and sediment, plus all adjacent areas affected by the construction activities as directed by the Owner or the jurisdictional Agency.



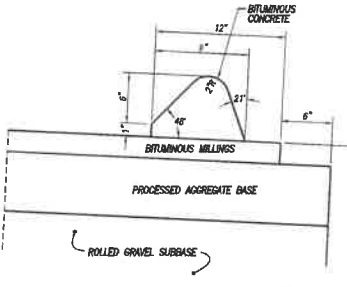
**BASIN CROSS SECTION "A-A" (SHEET 2)**



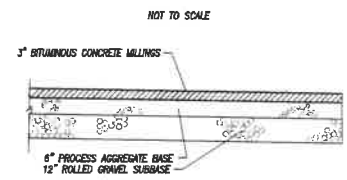
**CHAIN LINK FENCE DETAIL**



**ELECTRICAL CONDUIT IN TRENCH**



**BITUMINOUS CONCRETE LIP CURBING DETAIL**

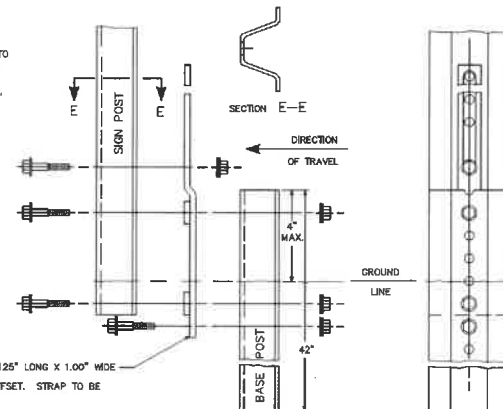


**BITUMINOUS CONCRETE MILLINGS**

BOLTS - HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A354. -18 UNC X 1.75", GRADE B2 FOR 3.00 LBS./FT. POSTS -18 UNC X 2.0", GRADE B2 FOR 4.00 LB./FT. POSTS.

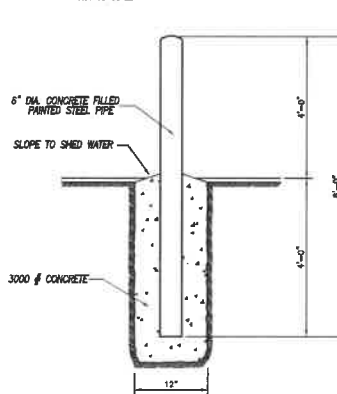
NUTS -18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.

LOCKWASHERS - HEAVY DUTY EXTERNAL TYPE.



**BREAKAWAY TYPE I INSTALLATION - FOR 3 & 4 LB. POSTS**

**SILT FENCE**

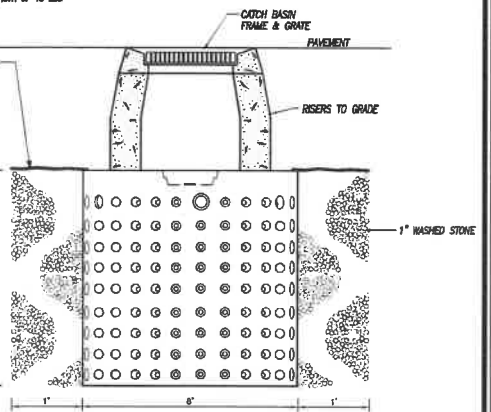


**ELECTRICAL CONDUIT IN TRENCH**

**STEEL BOLLARD DETAIL**



**BEFORE YOU DIG  
CALL BEFORE YOU DIG**  
AT LEAST TWO FULL BUSINESS DAYS  
BEFORE DIGGING OR DISTURBING EARTH  
DIAL 811 OR 1-800-922-4455



**PRECAST DRYWELL WITH CATCH BASIN**

**GRAVEL SURFACE WITH PROCESSED TRAP ROCK DETAIL**

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